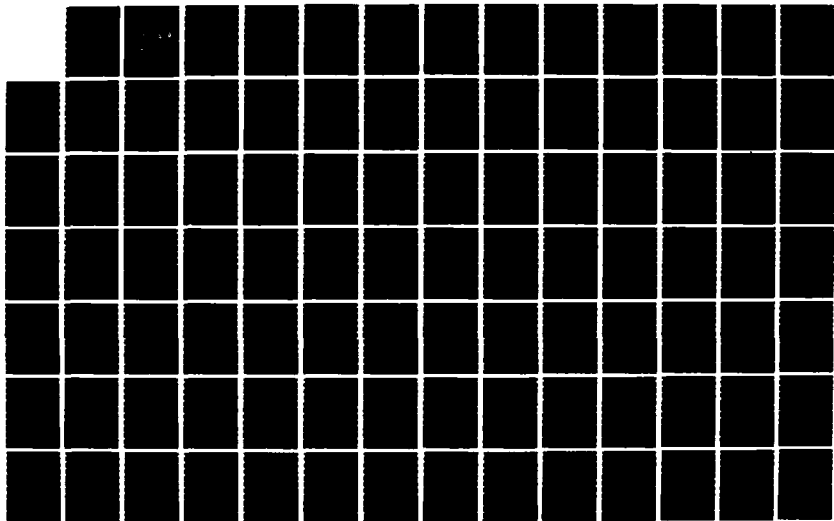
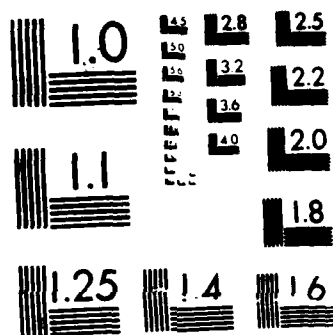


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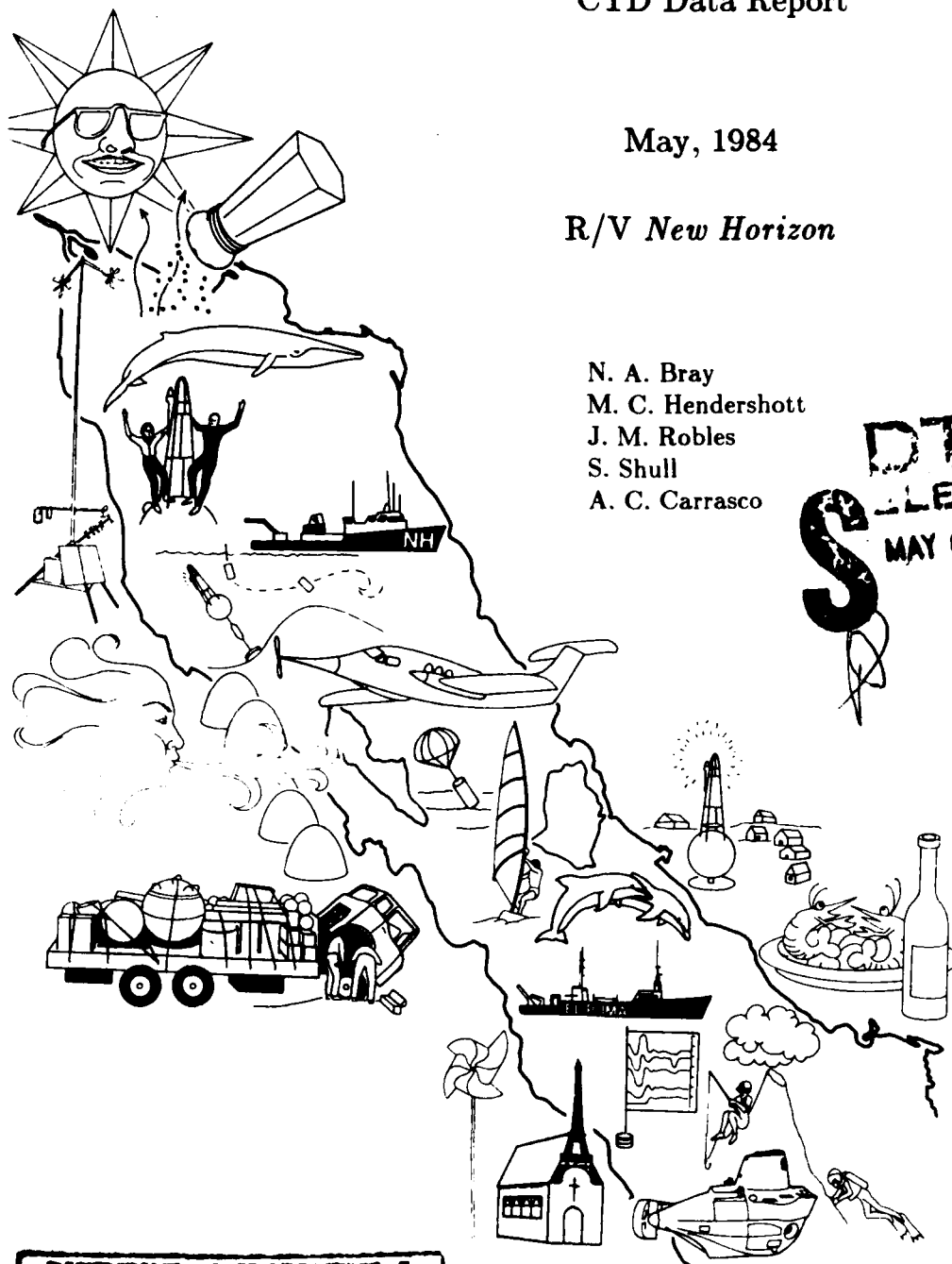
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May, 1984

R/V *New Horizon*

N. A. Bray
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Pichicuco 5: Gulf of California CTD Data Report

May, 1984

R/V *New Horizon*

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Table of Contents

Abstract	i
List of Figures	ii
List of Tables	iii
Introduction and Acknowledgements	1
Data Processing	6
a. Acquisition	6
b. Calibration	6
c. Error identification	9
d. Combination of separately digitized fast and slow temperature signals	11
e. Lag correction and salinity calculation	13
f. Pressure averaging	13
Data Display Notes	14
Potential Temperature vs Salinity Diagrams	18
Temperature, Salinity and Density Profiles for Each Station	24



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Abstract

During May of 1984, the R/V *New Horizon* occupied a total of 172 CTD stations in the northern half of the Gulf of California. Of these, 80 were part of a large-scale survey of hydrographic properties in the Gulf, mainly cross-Gulf sections. The remaining stations were time series, or yoyo, stations in which temporal evolution of finestructure was examined. This report presents individual profiles of temperature, salinity and density for all stations, along with regional composite diagrams of potential temperature vs salinity.

List of Figures

1.	Station Locations	2
2.	PRT Calibration	8
3.	Pressure sensor hysteresis	8
4.	Salinity check sample differences	10
5.	Regional Θ vs S plots :	19
	a) Stations 109 to 115 : Line Q.	
	b) Stations 116 to 125 : Line P.	
	c) Stations 127 to 133 : Line J.	
	d) Stations 134 to 139 : Line I.	
	e) Stations 143 to 149 : Line G.	
	f) Stations 150 to 153 : Line F.	
	g) Stations 155 to 159 : Line E.	
	h) Stations 160 to 166 : Line C.	
	i) Stations 2 to 8 : Line B.	

List of Tables

1.	Station Locations	3
2.	Pichicuco cruises in the Gulf of California	7
3.	Interpolated points	12
4.	Lag correction filter weights	15

1. Introduction and Acknowledgements

The CTD stations presented in this report are from the fifth Pichicuco cruise in the Gulf of California. The Pichicuco cruises began in 1982 as a cooperative physical oceanography field program between scientists at Centro de Investigación Científica y de Educación Superior de Ensenada and Scripps Institution of Oceanography. A wide range of phenomena relating to circulation in the Gulf has been examined during the cruises. The data collected during this cruise (PC5) had two main goals: a large-scale survey of hydrographic properties and examination of the temporal and spatial variability of tidally generated finestructure. The stations occupied are listed in Table 1. Station locations are plotted in Figure 1.

As shown in Table 2, both the Mexican research vessel B/O *El Puma* and the U.S. research vessel R/V *New Horizon* were used during the Pichicuco cruises. Cruise PC5, aboard the R/V *New Horizon*, was conducted under the auspices of Permit No. 040584-333-04-180-2093 (4 May 1984) and Diplomatic Note. No. 301370 (10 May 1984) courtesy of the Government of Mexico. Funding for the cruise came from NSF grant No. OCE83-18288 and ONR contract N00014-84-C-0257.

Many people deserve thanks for their efforts toward making this report possible. In particular, we would like to thank those responsible both in the U.S. and in Mexico for obtaining clearance for the R/V *New Horizon* to work in Mexican waters. Vanessa Cunningham and Jennifer Davis most capably kept our customs, shipping and finances in order. We are also grateful to Sr. Antonio Padilla of CICESE for his invaluable help in the temporary importation of equipment, and to Admiral Gayon of the Mexican Naval Station in Santa Rosalía. The captain and crew of the R/V *New Horizon* participated in the work with skill and enthusiasm, contributing substantially to the success of the cruise. Watchstanders on the cruise were Walt Waldorf and Dave Muus (watch captains); Cindy Paden, Myrl Hendershott, Julio Candela, Antoine Badan, and Juan Antonio Rodriguez-Sero.

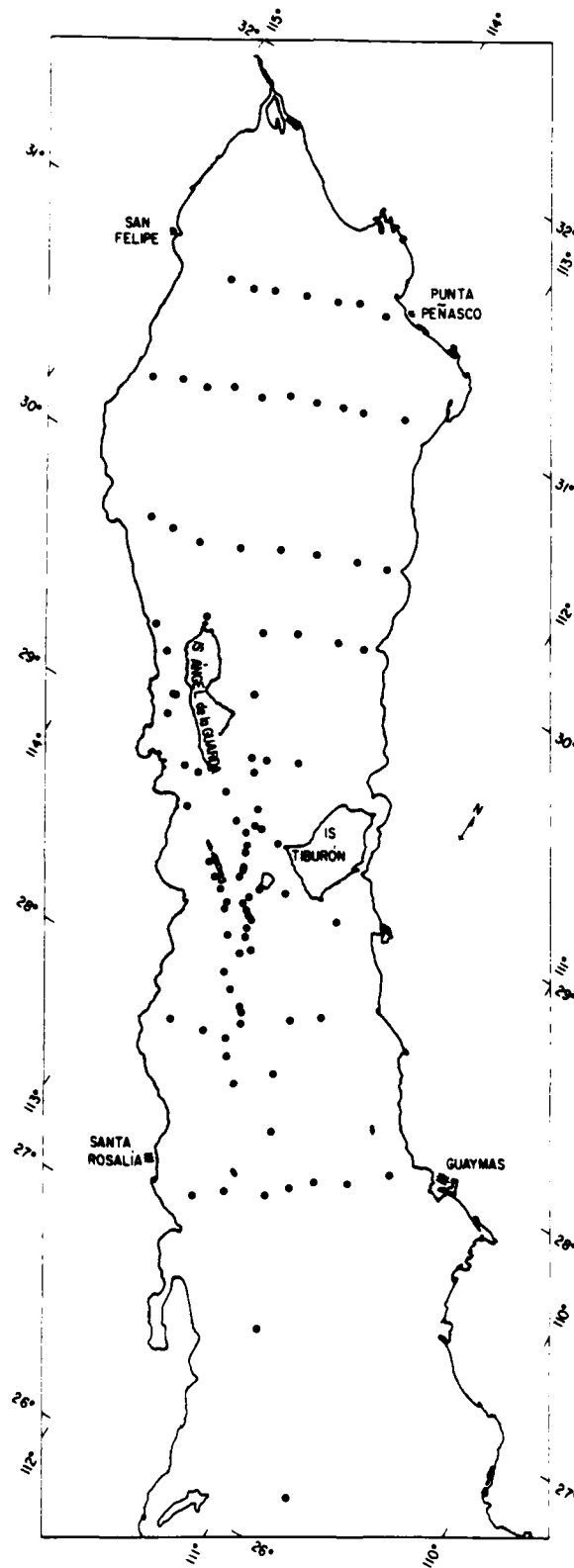


Figure 1. Station Locations

Table 1. Station Locations

Station	Lat	Long	Date	GMT	Depth	Section	Across Gulf*	Along Gulf*	CTD #
PC5002	27 49.1N	111 11.0W	11/ 5/84	725Z	284/ 297m	B-2	38.80km	84.09km	2
PC5003	27 41.4N	111 20.1W	11/ 5/84	944Z	797/ 834m	B-3	18.32km	81.47km	2
PC5004	27 36.5N	111 28.5W	11/ 5/84	1148Z	1464/1472m	B-4	1.79km	82.26km	2
PC5005	27 31.4N	111 36.0W	11/ 5/84	1450Z	1442/1790m	B-5	-13.77km	81.88km	2
PC5006	27 26.0N	111 41.1W	11/ 5/84	1735Z	1442/1686m	B-6	-26.46km	78.74km	2
PC5007	27 19.8N	111 53.0W	11/ 5/84	2010Z	1410/1472m	B-7	-49.10km	81.00km	2
PC5008	27 14.9N	112 1.1W	11/ 5/84	2146Z	625/ 686m	B-8	-65.26km	81.52km	2
PC5009	27 39.8N	111 49.5W	13/ 5/84	52Z	1536/1657m	Y1-1	-22.56km	107.50km	2
PC5010	27 39.8N	111 49.5W	13/ 5/84	212Z	1492/1657m	Y1-2	-22.56km	107.50km	2
PC5011	27 40.6N	111 50.0W	13/ 5/84	315Z	1497/1657m	Y1-3	-22.35km	109.18km	2
PC5012	27 40.6N	111 50.0W	13/ 5/84	411Z	1504/1643m	Y1-4	-22.35km	109.18km	2
PC5013	27 42.2N	111 50.4W	13/ 5/84	520Z	1504/1643m	Y1-5	-21.13km	111.96km	2
PC5014	27 41.6N	111 50.2W	13/ 5/84	618Z	1504/1577m	Y1-6	-21.45km	110.88km	2
PC5015	27 43.6N	111 50.7W	13/ 5/84	757Z	1503/1577m	Y1-7	-20.00km	114.34km	2
PC5016	27 43.9N	111 50.9W	13/ 5/84	822Z	1505/1577m	Y1-8	-19.94km	114.98km	2
PC5017	27 44.2N	111 51.2W	13/ 5/84	928Z	1494/1570m	Y1-9	-20.01km	115.72km	2
PC5018	27 44.4N	111 51.3W	13/ 5/84	1038Z	1505/1584m	Y1-10	-19.90km	116.19km	2
PC5019	27 42.1N	111 48.4W	13/ 5/84	1156Z	1498/1613m	Y1-11	-18.58km	109.88km	2
PC5020	27 54.1N	112 1.1W	13/ 5/84	1515Z	954/1145m	TY1-1	-21.02km	139.12km	2
PC5021	27 57.1N	112 2.4W	13/ 5/84	1612Z	708/ 838m	TY1-2	-20.82km	145.89km	2
PC5022	27 56.5N	111 58.3W	14/ 5/84	400Z	656/ 744m	TY1-3	-16.00km	140.96km	1
PC5023	27 57.2N	111 58.1W	14/ 5/84	530Z	670/ 706m	TY-1	-15.00km	141.80km	1
PC5024	28 11.1N	112 23.8W	14/ 5/84	1145Z	679/ 706m	Y2-1	-33.88km	187.38km	1
PC5025	28 11.7N	112 23.9W	14/ 5/84	1220Z	803/ 809m	Y2-2	-33.38km	188.39km	1
PC5026	28 11.7N	112 23.9W	14/ 5/84	1253Z	796/ 882m	Y2-3	-33.38km	188.39km	1
PC5027	28 11.7N	112 23.9W	14/ 5/84	1325Z	898/ 955m	Y2-4	-33.38km	188.39km	1
PC5028	28 11.7N	112 23.9W	14/ 5/84	1448Z	652/ 717m	Y2-5	-33.38km	188.39km	1
PC5029	28 13.3N	112 24.6W	14/ 5/84	1530Z	621/ 700m	Y2-6	-32.53km	191.43km	1
PC5030	28 13.8N	112 25.0W	14/ 5/84	1400Z	650/ 654m	Y2-7	-32.51km	192.56km	1
PC5031	28 14.0N	112 25.6W	14/ 5/84	1627Z	650/ 700m	Y2-8	-33.08km	193.50km	1
PC5032	28 14.4N	112 25.6W	14/ 5/84	1655Z	652/ 700m	Y2-9	-32.72km	194.00km	1
PC5033	28 14.8N	112 27.7W	14/ 5/84	1722Z	627/ 677m	Y2-10	-35.00km	196.66km	1
PC5034	28 15.3N	112 28.4W	14/ 5/84	1749Z	651/ 688m	Y2-11	-35.38km	198.08km	1
PC5035	28 14.9N	112 26.3W	14/ 5/84	1815Z	676/ 717m	Y2-12	-33.07km	195.37km	1
PC5036	28 16.2N	112 28.7W	14/ 5/84	1843Z	705/ 750m	Y2-13	-34.86km	199.72km	1
PC5037	28 16.5N	112 29.1W	14/ 5/84	1911Z	701/ 757m	Y2-14	-34.99km	200.54km	1
PC5038	28 17.0N	112 29.7W	14/ 5/84	1938Z	702/ 809m	Y2-15	-35.24km	201.87km	1
PC5039	28 17.2N	112 29.9W	14/ 5/84	2008Z	700/ 809m	Y2-16	-35.28km	202.36km	1
PC5040	28 17.7N	112 30.5W	14/ 5/84	2036Z	672/ 772m	Y2-17	-35.53km	203.69km	1
PC5041	28 17.9N	112 30.7W	14/ 5/84	2103Z	667/ 772m	Y2-18	-35.58km	204.18km	1
PC5042	28 18.5N	112 31.3W	14/ 5/84	2131Z	660/ 721m	Y2-19	-35.71km	205.65km	1
PC5043	28 18.8N	112 31.3W	14/ 5/84	2159Z	632/ 721m	Y2-20	-35.39km	206.10km	1
PC5044	28 19.2N	112 31.3W	14/ 5/84	2227Z	598/ 660m	Y2-21	-34.95km	206.70km	1
PC5045	28 19.8N	112 32.0W	14/ 5/84	2248Z	580/ 633m	Y2-22	-35.18km	208.24km	1
PC5046	28 20.1N	112 32.2W	14/ 5/84	2320Z	549/ 604m	Y2-23	-35.10km	208.89km	1
PC5047	27 48.3N	112 9.1W	15/ 5/84	359Z	1350/1409m		-39.34km	139.15km	1
PC5048	27 53.9N	112 15.4W	15/ 5/84	612Z	852/1120m	MCH-1	-41.58km	153.60km	1
PC5049	27 58.2N	112 19.3W	15/ 5/84	743Z	845/1037m	MCH-2	-42.05km	163.78km	1
PC5050	28 6.4N	112 19.3W	15/ 5/84	909Z	824/ 946m	MCH-3	-33.06km	176.02km	1
PC5051	28 7.5N	112 20.6W	15/ 5/84	1050Z	678/ 726m	MCH-4	-33.58km	178.92km	1
PC5052	28 10.0N	112 26.4W	15/ 5/84	1209Z	464/ 700m	MCH-5	-35.73km	191.65km	1
PC5053	28 14.0N	112 30.0W	15/ 5/84	1330Z	565/ 644m	MCH-6	-35.93km	199.63km	1
PC5054	28 20.8N	112 29.6W	15/ 5/84	1455Z	751/ 853m	MCH-7	-30.91km	207.20km	1
PC5055	28 23.0N	112 36.0W	15/ 5/84	1630Z	295/ 350m	LL-1	-37.01km	216.89km	1
PC5056	28 25.8N	112 39.1W	15/ 5/84	1722Z	493/ 498m	LL-2	-38.05km	224.06km	1
PC5057	28 29.0N	112 41.5W	15/ 5/84	1814Z	493/ 500m	LL-3	-37.71km	231.14km	1
PC5058	28 33.0N	112 37.5W	15/ 5/84	1925Z	889/ 955m	LL-4	-28.02km	233.25km	1
PC5059	28 35.2N	112 49.6W	15/ 5/84	2056Z	904/ 950m	LL-5	-41.64km	248.18km	1
PC5060	28 37.0N	112 54.0W	15/ 5/84	2305Z	1365/1430m	LL-6	-45.49km	255.10km	1
PC5061	28 35.0N	112 49.5W	16/ 5/84	100Z	696/ 779m	LL-5	-41.72km	247.79km	1
PC5062	28 32.0N	112 47.5W	16/ 5/84	200Z	852/ 940m	LL-4	-42.37km	241.39km	1
PC5063	28 27.3N	112 39.1W	16/ 5/84	337Z	395/ 479m	LL-2	-36.40km	226.29km	1
PC5064	28 27.2N	112 37.5W	16/ 5/84	445Z	265/ 290m		-34.39km	224.60km	1
PC5065	28 25.5N	112 38.0W	16/ 5/84	538Z	273/ 311m		-36.92km	222.55km	1
PC5066	28 25.7N	112 37.8W	16/ 5/84	638Z	409/ 458m		-38.43km	222.65km	1
PC5067	28 26.7N	112 40.2W	16/ 5/84	819Z	900/1000m		-38.52km	226.46km	1
PC5068	28 30.5N	112 44.0W	16/ 5/84	952Z	325/ 428m		-39.38km	235.78km	1
PC5069	28 25.0N	112 31.0W	16/ 5/84	1350Z	787/ 896m	CP-1	-28.18km	215.06km	1
PC5070	28 27.5N	112 31.6W	16/ 5/84	1535Z	695/ 867m	CP-2	-26.23km	219.36km	1
PC5071	28 30.0N	112 32.8W	16/ 5/84	1647Z	567/ 648m	CP-3	-25.08km	224.25km	1
PC5072	28 30.8N	112 33.8W	16/ 5/84	1740Z	478/ 545m	CP-4	-25.53km	226.41km	1

* Across- and along-Gulf distances are computed using an origin of 27 N, 111 W; the angle of rotation is 36 degrees.

PC5073	28	35.5N	112	36.6W	16/	5/84	1838Z	420/	516m	CP-5	-24.08km	236.11km	1
PC5074	28	38.7N	112	42.5W	16/	5/84	1930Z	438/	500m	CP-6	-28.38km	246.56km	1
PC5075	28	38.5N	112	35.3W	17/	5/84	53Z	422/	443m	CP-7	-19.06km	239.33km	1
PC5076	28	41.0N	112	42.7W	17/	5/84	150Z	557/	626m	CP-8	-26.12km	250.18km	1
PC5077	28	41.5N	112	43.0W	17/	5/84	300Z	551/	655m	CP-9	-25.96km	251.22km	1
PC5078	28	45.1N	112	45.2W	17/	5/84	412Z	393/	450m	CP-10	-24.92km	258.70km	1
PC5079	28	47.5N	112	45.7W	17/	5/84	503Z	312/	392m	CP-11	-22.95km	262.76km	1
PC5080	28	50.5N	112	48.2W	17/	5/84	551Z	309/	355m	CP-12	-22.96km	269.63km	1
PC5081	28	51.8N	112	49.9W	17/	5/84	635Z	308/	370m	CP-13	-17.18km	282.15km	1
PC5082	28	34.9N	112	40.4W	17/	5/84	911Z	442/	589m	CP6-B	-29.77km	238.88km	1
PC5083	28	32.6N	112	37.6W	17/	5/84	1022Z	473/	560m	CP4-B	-28.59km	232.75km	1
PC5084	28	27.3N	112	35.1W	17/	5/84	1200Z	541/	845m	CP2-B	-34.39km	217.96km	1
PC5085	28	25.1N	112	29.7W	17/	5/84	1325Z	841/	904m	CP1-B	-26.35km	213.95km	1
PC5086	28	33.9N	112	37.8W	17/	5/84	1532Z	445/	531m	CP4-C	-27.42km	234.88km	1
PC5087	28	31.9N	112	36.0W	17/	5/84	1631Z	568/	626m	CP3-B	-27.24km	230.16km	1
PC5088	28	30.2N	112	32.6W	17/	5/84	1722Z	496/	699m		-24.59km	224.35km	1
PC5089	28	28.5N	112	31.0W	17/	5/84	1812Z	593/	809m		-24.34km	220.28km	1
PC5090	28	34.6N	112	49.8W	18/	5/84	515Z	833/	882m		-42.56km	247.48km	1
PC5091	28	30.4N	112	43.1W	18/	5/84	652Z	769/	838m		-38.30km	234.77km	1
PC5092	28	27.6N	112	39.4W	18/	5/84	845Z	571/	589m		-36.47km	227.03km	1
PC5093	28	24.5N	112	35.9W	18/	5/84	1008Z	330/	421m		-35.23km	219.03km	1
PC5094	27	39.4N	111	26.8W	19/	5/84	1425Z	907/	1000m		7.22km	84.95km	1
PC5095	27	41.4N	111	49.3W	20/	5/84	1621Z	1508/	1653m	Y3-1	-20.55km	109.70km	1
PC5096	27	41.9N	111	50.2W	20/	5/84	1746Z	1478/	1638m	Y3-2	-21.20km	111.32km	1
PC5097	27	41.9N	111	50.2W	20/	5/84	1846Z	1503/	1624m	Y3-3	-21.20km	111.32km	1
PC5098	27	42.1N	111	50.1W	20/	5/84	1946Z	1502/	1609m	Y3-4	-20.85km	111.52km	1
PC5099	27	41.9N	111	49.5W	20/	5/84	2113Z	1507/	1605m	Y3-5	-20.31km	111.13km	1
PC5100	27	43.3N	111	52.1W	20/	5/84	2231Z	1498/	1609m	Y3-6	-22.19km	115.25km	1
PC5101	27	43.1N	111	52.6W	20/	5/84	2355Z	1492/	1551m	Y3-7	-23.08km	115.43km	1
PC5102	27	43.5N	111	52.8W	21/	5/84	101Z	1509/	1562m	Y3-8	-22.91km	116.22km	1
PC5103	27	43.8N	111	52.3W	21/	5/84	213Z	1507/	1567m	Y3-9	-21.91km	116.19km	1
PC5104	27	44.0N	111	52.3W	21/	5/84	315Z	1433/	1565m	Y3-10	-21.69km	116.49km	1
PC5105	28	37.2N	112	38.1W	21/	5/84	2243Z	344/	360m		-24.20km	240.09km	1
PC5106	28	53.4N	112	47.4W	22/	5/84	140Z	344/	365m	SE-1	-18.71km	273.19km	1
PC5107	29	9.2N	112	59.0W	22/	5/84	500Z	403/	424m	SE-2	-16.67km	307.88km	1
PC5108	29	24.7N	113	10.0W	22/	5/84	806Z	385/	430m	T-3	-14.13km	341.52km	1
PC5109	30	59.9N	114	27.4W	22/	4/85	2125Z	33/	43m	Q-7	-10.64km	556.91km	1
PC5110	31	.9N	114	19.7W	22/	5/84	2236Z	60/	67m	Q-6	.56km	551.06km	1
PC5111	31	3.7N	114	13.6W	23/	5/84	11Z	129/	138m	Q-5	11.66km	549.41km	1
PC5112	31	7.3N	114	4.8W	23/	5/84	152Z	82/	93m	Q-4	27.18km	546.37km	1
PC5113	31	10.2N	113	55.1W	23/	5/84	315Z	45/	57m	Q-3	43.09km	541.45km	1
PC5114	31	13.0N	113	48.5W	23/	5/84	427Z	25/	33m	Q-2	54.83km	539.33km	1
PC5115	31	14.0N	113	39.0W	23/	5/84	551Z	17/	23m	Q-1	68.37km	531.78km	1
PC5116	30	52.6N	113	16.2W	23/	5/84	855Z	27/	36m	P-10	74.61km	478.26km	1
PC5117	30	49.5N	113	26.5W	23/	5/84	1031Z	71/	81m	P-9	44.57km	492.99km	1
PC5118	30	46.6N	113	33.7W	23/	5/84	1200Z	66/	76m	P-8	45.04km	486.01km	1
PC5119	30	43.6N	113	43.2W	23/	5/84	1326Z	61/	76m	P-7	29.26km	490.61km	1
PC5120	30	41.2N	113	51.6W	23/	5/84	1455Z	83/	93m	P-6	15.58km	495.05km	1
PC5121	30	36.8N	113	59.1W	23/	5/84	1608Z	124/	133m	P-5	.86km	495.67km	1
PC5122	30	35.3N	114	7.9W	23/	5/84	1744Z	148/	159m	P-4	-12.13km	502.13km	1
PC5123	30	30.8N	114	15.2W	23/	5/84	2108Z	96/	105m	P-3	-28.93km	502.13km	1
PC5124	30	29.3N	114	22.9W	24/	5/84	1035Z	46/	51m	P-2	-38.71km	507.25km	1
PC5125	30	25.1N	114	32.0W	24/	5/84	1230Z	28/	33m	P-1	-55.33km	509.71km	1
PC5127	29	53.3N	114	1.0W	24/	5/84	1850Z	497/	506m	J-2	-49.72km	432.96km	1
PC5128	29	53.3N	113	51.7W	24/	5/84	2104Z	618/	624m	J-3	-37.55km	424.00km	1
PC5129	29	59.2N	113	38.5W	24/	5/84	2355Z	224/	230m	J-4	-14.97km	418.35km	1
PC5130	30	3.6N	113	27.4W	25/	5/84	150Z	144/	153m	J-5	5.83km	416.06km	1
PC5131	30	7.7N	113	16.9W	25/	5/84	332Z	137/	147m	J-6	24.17km	412.12km	1
PC5132	30	11.8N	113	5.1W	25/	5/84	525Z	106/	113m	J-7	44.22km	406.94km	1
PC5133	30	14.5N	112	55.3W	25/	5/84	708Z	57/	67m	J-8	60.08km	401.60km	1
PC5134	29	52.3N	112	48.0W	25/	5/84	1003Z	97/	109m	I-1	45.27km	361.54km	1
PC5135	29	49.4N	112	57.2W	25/	5/84	1138Z	85/	92m	I-2	31.54km	364.88km	1
PC5136	29	45.8N	113	8.5W	25/	5/84	1322Z	157/	165m	I-3	11.10km	371.49km	1
PC5137	29	41.1N	113	17.6W	25/	5/84	1515Z	241/	251m	I-4	-6.08km	373.21km	1
PC5138	29	36.4N	113	36.0W	25/	5/84	1745Z	176/	184m	I-5A	-35.54km	383.85km	1
PC5139	29	27.3N	113	47.3W	25/	5/84	1958Z	882/	900m	I-7	-60.51km	381.16km	1
PC5140	29	22.6N	113	41.7W	25/	5/84	2220Z	654/	711m	ABD	-58.31km	368.80km	1
PC5141	29	13.0N	113	32.0W	26/	5/84	510Z	400/	512m		-56.10km	345.22km	1
PC5142	29	13.0N	113	31.0W	26/	5/84	611Z	738/	752m		-54.78km	344.26km	1
PC5143	29	.8N	113	20.3W	26/	5/84	845Z	658/	669m	G-1	-67.32km	325.45km	1
PC5144	28	57.9N	113	16.3W	26/	5/84	1030Z	1202/	1212m	G-2	-52.00km	307.68km	1
PC5145	28	58.3N	113	11.8W	26/	5/84	1240Z	642/	652m	G-3	-45.61km	303.95km	1
PC5146	28	57.4N	113	1.4W	26/	5/84	1458Z	188/	198m	G-4	-32.84km	292.61km	1
PC5147	29	6.4N	112	56.5W	26/	5/84	1640Z	405/	412m	G-5	-16.45km	301.31km	1
PC5148	29	11.1N	112	45.0W	26/	5/84	1825Z	225/	252m	G-6	3.92km	297.26km	1
PC5149	29	15.4N	112	35.8W	26/	5/84	1952Z	157/	166m	G-7	20.81km	294.84km	1
PC5150	28	48.0N	113	9.2W	27/	5/84	518Z	1281/	1290m	F-6	-53.51km	286.11km	1

PC5151	28	52.1N	112	53.6W	27/ 5/84	809Z	376/ 392m	F-3	-28.35km	277.21km	1
PC5152	28	53.7N	112	44.9W	27/ 5/84	953Z	344/ 356m	F-2	-15.07km	271.23km	1
PC5153	28	53.0N	112	38.2W	27/ 5/84	1141Z	732/ 742m	F-1	-6.97km	263.74km	1
PC5155	28	33.0N	112	46.1W	27/ 5/84	2320Z	970/ 979m	E-2	-39.42km	241.53km	1
PC5156	28	30.7N	112	42.4W	28/ 5/84	143Z	142/ 152m	E-3	-37.04km	234.54km	1
PC5157	28	31.9N	112	35.7W	28/ 5/84	313Z	395/ 443m	E-4	-26.84km	229.88km	1
PC5158	28	41.9N	112	27.7W	28/ 5/84	514Z	386/ 396m	E-5	-5.26km	237.09km	1
PC5159	28	42.4N	112	10.7W	28/ 5/84	750Z	51/ 55m	E-6	17.81km	221.47km	1
PC5160	28	22.9N	112	27.3W	28/ 5/84	1032Z	1004/1010m	D-4	-27.86km	232.91km	1
PC5161	27	54.2N	112	37.6W	28/ 5/84	1458Z	333/ 350m	C-1	-70.77km	175.49km	1
PC5162	27	56.4N	112	28.3W	28/ 5/84	1650Z	734/ 751m	C-2	-55.99km	169.79km	1
PC5163	28	4.1N	112	17.8W	28/ 5/84	1922Z	225/ 655m	C3-A	-33.56km	171.07km	1
PC5164	28	.6N	112	20.8W	28/ 5/84	2008Z	868/1064m	C-3	-41.41km	168.81km	1
PC5165	28	12.0N	112	4.6W	28/ 5/84	2311Z	342/ 355m	C-4	-7.40km	170.20km	1
PC5166	28	17.4N	111	56.6W	29/ 5/84	102Z	42/ 47m	C-5	9.13km	170.55km	1
PC5167	27	41.6N	111	19.8W	29/ 5/84	614Z	802/ 816m	B-3	18.93km	81.47km	1
PC5168	27	30.5N	111	36.3W	29/ 5/84	925Z	1832/1841m	B-5	-15.15km	80.83km	1
PC5169	27	18.6N	111	51.7W	29/ 5/84	1308Z	1210/1470m	B-7	-48.68km	77.94km	1
PC5170	26	52.2N	111	20.2W	29/ 5/84	1823Z	1008/1819m	A-5	-35.47km	7.92km	1
PC5171	26	15.3N	110	43.7W	30/ 5/84	35Z	1028/1050m	CAR	-26.83km	-82.84km	1
PC5172	25	29.5N	109	50.9W	30/ 5/84	850Z	1008/3000m	FAR	-5.66km	-203.06km	1

Particular thanks go to Frank Delahoyde for advice in the early stages of programming our IBM 9000 to acquire CTD data. Final lay-up of the report was done by Mike Clark. The report cover was illustrated by Nancy Hulbirt.

2. Data Processing

This discussion is divided into several sections, organized approximately in the order in which the data are acquired and processed. Program listings may be found in Bray et al. 1986a. The sections are: acquisition, calibration, error identification, combination of separately digitized fast- and slow-response temperature signals, lag correction and salinity calculations, and pressure averaging.

a) Acquisition

All data described in this report were taken using a NBIS Mark III fish with a separately digitized fast-response thermistor, and an SIO-designed and fabricated deck unit which converts the audio FSK signal into a digital data stream. The digital data is then read by an IBM 9000 computer in real time, is framed and stored on floppy disks. Minimal real time processing is conducted, due to timing constraints on the computer, but subsampled raw scans are scaled and printed to both screen and line printer for check purposes. The acquisition program does check for timing errors (time is a variable in the data stream) and gaps in the incoming data, as well as for input buffer overflows.

b) Calibration

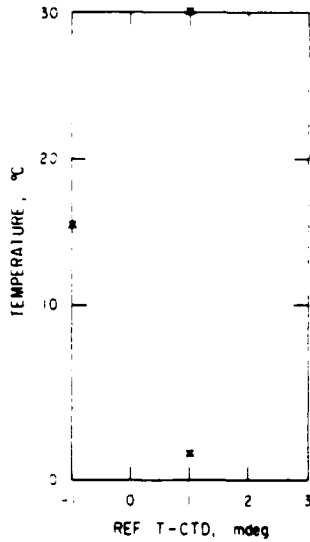
Two CTDs were used during PC5. CTD #2 was a newly purchased instrument, calibrated by NBIS shortly before the cruise. As this CTD was lost during the cruise, there is no post-cruise calibration. CTD #1 was calibrated after PC5 at the PACODEF laboratory (SIO) for absolute accuracy of pressure and platinum resistance thermometer temperature, temperature response of the pressure sensor and hysteresis in the 0-2000 db pressure range. Precruise calibrations for CTD

Table 2

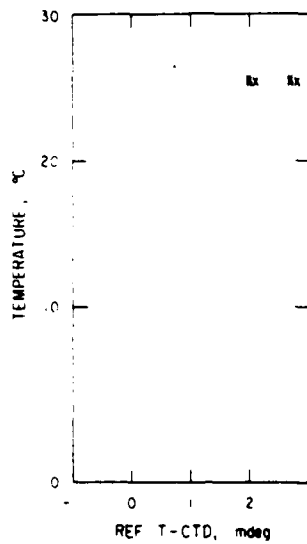
Pichicuco Cruises in the Gulf of California

Month	Year	Ship	Expedition	Number of Stns.	Type of Data	Chief Scientist/ P.I.
Mar	85	New Horizon	Pichicuco VII	149	CTD	Bray
Nov	84	New Horizon	Pichicuco VI	230	CTD	Winant/Bray
May	84	New Horizon	Pichicuco V	179	CTD	Winant/Bray
Nov	83	El Puma	Pichicuco IV	78	CTD	Badan/Robles
May	83	El Puma	Pichicuco III	160	STD	Badan/Robles
Nov	82	El Puma	Pichicuco II	48	STD	Badan/Robles

PRECRUISE TEMPERATURE CALIBRATION
CTD no.1
8 OCT 83



POSTCRUISE TEMPERATURE CALIBRATION
CTD no.1
28 AUG 84



PRECRUISE TEMPERATURE CALIBRATION
CTD no.2
8 MAR 84

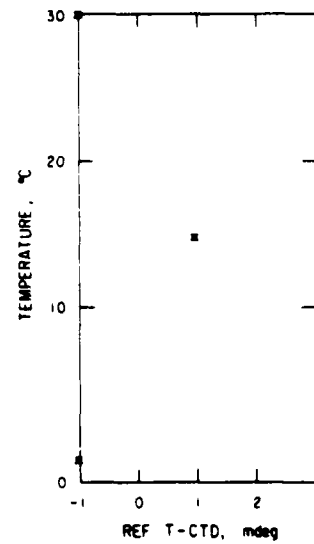
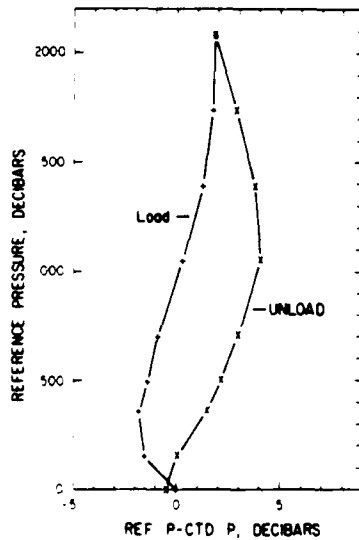
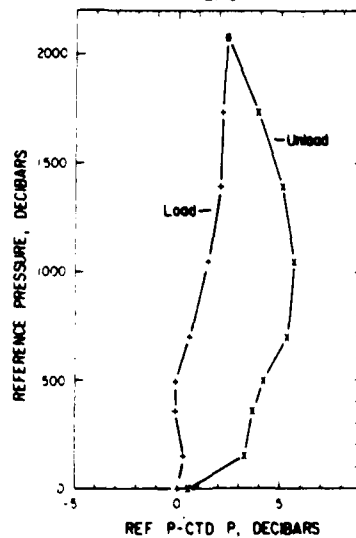


Figure 2. PRT Calibration

POSTCRUISE PRESSURE SENSOR HYSTERESIS
CTD no.1
28 AUG 84
0°C



POSTCRUISE PRESSURE SENSOR HYSTERESIS
CTD no.1
28 AUG 84
27°C



PRECRUISE PRESSURE SENSOR HYSTERESIS
CTD no.2
12 MAR 84
ROOM TEMPERATURE

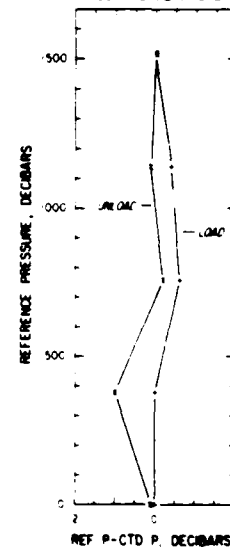


Figure 3. Pressure sensor hysteresis

#1 are taken from the original manufacturer's data supplied with the instrument. Results are summarized in Figures 2 and 3. No correction for temperature is made for data taken with CTD #2 (calibration accuracy $\pm .001^{\circ}\text{C}$). For data taken with CTD #1, $.002^{\circ}$ was added as a correction, based on the post-cruise calibration. Neither pressure sensor had a significant offset at the surface; hysteresis errors on the downtrace were 0(2 db) for both instruments over the range 0-2000 db. Conductivity was calibrated at sea using water samples taken from a Niskin bottle hung on the CTD wire just above the CTD, and from surface samples. Check sample conductivity ratios were determined using a Hytech salinometer and Wormley standard water batch P-73. Salinities were then computed using PSS78 Fofonoff and Millard, 1983. Raw CTD values of pressure, slow temperature and conductivity were also recorded for each check sample as it was being taken, for immediate comparison.

The stations occupied are all shallower than about 1500 m, so there is no stable, isothermal deep water available for check samples. Nevertheless, the processed salinities agree with the salinometer values to within ± 10 ppm for most of the points. Figure 4 illustrates the time history of the check sample difference (salinometer - CTD) for both CTDs. The average difference over the 14 points for CTD #2 is $1.6 (\pm 2.6)$ ppm. For CTD #1, over the 285 points, the average difference is $1.6 (\pm 4.9)$ ppm. This correction has been applied to the data. The wide scatter of points in Figure 4 is attributed to the imperfect matching of bottle and CTD values which results from this type of sampling. Later cruises in which a rosette sampler was used show much less variability.

c) Error Identification

After the data are acquired, a separate program is used for processing (see APROC.FOR and ANAW.FOR for program listings). The first stage of processing is error identification, in which two simple editing criteria are applied. The first is an interval criterion requiring that data fall into set ranges. Ranges used are: 0 to 2000 db for pressure, 0 to 30°C for temperature, and

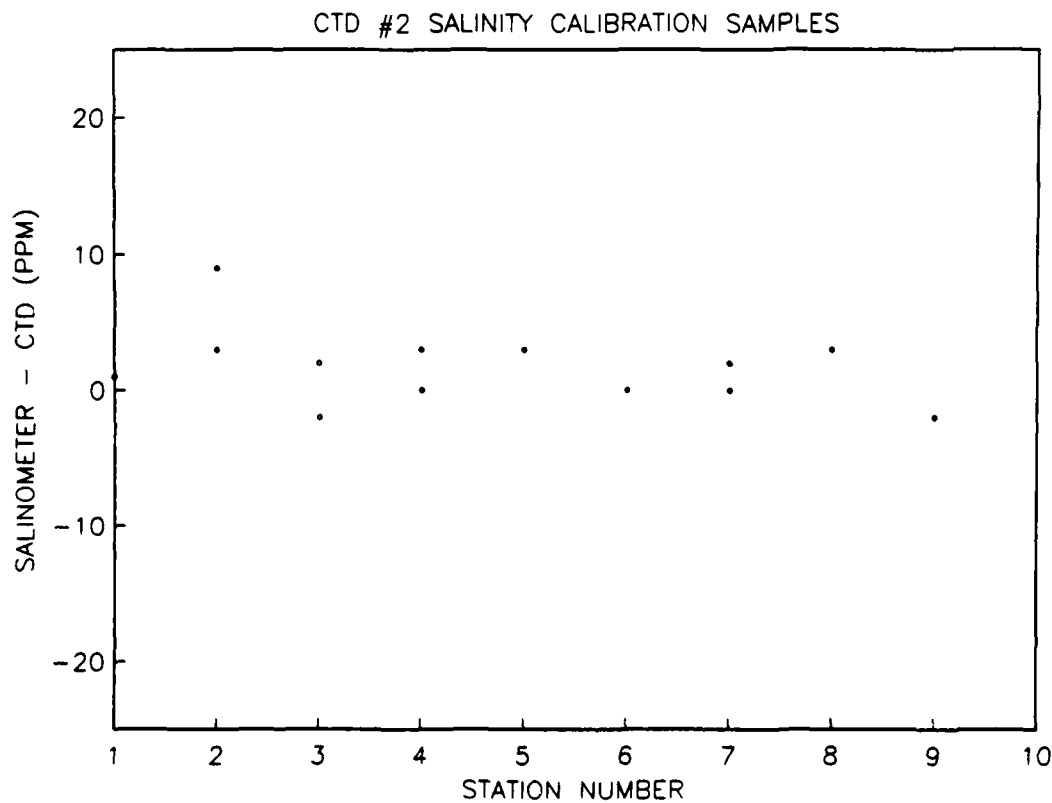
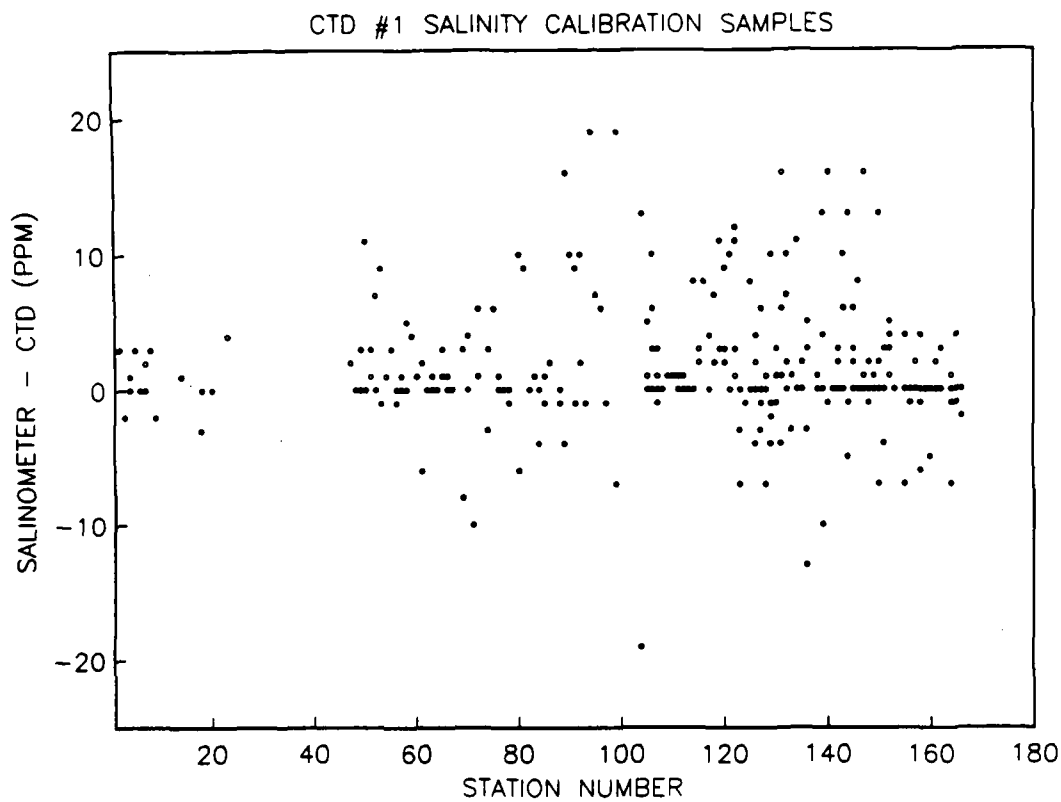


Figure 4. Salinity check sample differences

30 to 70 mmho for conductivity. In addition, the first differences (scan to scan) of the raw data are constrained to fall within .5 db, 0.10°C and 0.20 mmho. No further error checking is done on the raw data. Data which is rejected is not interpolated. Rejected scans are flagged in a special error file for each station. No significant data gaps were encountered, and very few errors were found away from the surface.

After processing is completed, the 2 db averaged data are checked visually for bad points. The few points which were altered are listed in Table 3. The new values are arithmetic interpolations between points on either side of the bad points. Uptraces rather than downtraces appear for several stations where irreparable errors occurred. In most of these cases there is a problem with the conductivity signal, apparently due to fouling of the sensor. A notation is found in the header of the stations where an uptrace is used. Those stations are: 27, 48, 50, 53, 59, 60, 100, 105, 109, 127, 136, 142, 143, and 145.

d) Combination of Fast and Slow Temperature Signals

The NBIS fish used in these stations has a separately digitized fast response thermistor (FRT) signal and a data acquisition rate of 25 hz. (This differs from the 'standard' Mark III, which samples at 32.5 hz but has a single analog combination of FRT and PRT signals for temperature). An algorithm for combining fast and slow temperatures was developed for processing these data. It is described in Bray [1987].

Conceptually, the processing problem is the following. The FRT, with a response time of about 80 msec, contains most of the high frequency variance of the true temperature. However, the FRT is not a stable temperature measurement, in that it is a strong function of pressure and temperature. The PRT, on the other hand, is extremely stable, but, with a response time of 270 msec, blurs the true temperature signal over several scans of CTD data (one data scan is 40 msec). Ideally, we would like to combine the stability of the PRT and the high frequency information of the FRT.

Table 3. Interpolated Points

Station	Pressure	Original		Interpolated		Comment
		T	S	T	S	
PC5015	292	11.475	42.501	11.535	34.767	
	1190		35.287		34.577	
PC5016	500		34.528		34.569	
	530		34.534		34.575	
PC5028	34	-	35.405		35.173	Gap in data
	36	-	35.164		35.167	
PC5034	96		34.983		34.954	Gap in data
	340		34.750		34.729	
	358		34.713		34.704	
PC5037	392		34.647		34.653	
	398		34.639		34.649	
PC5040	140		35.070		34.905	Gap in data
PC5060	1280	11.071	34.817	11.122	34.779	Gap in data
	1282		34.786		34.779	Uptrace
PC5064	56		34.970		35.003	
	58		34.959		35.003	
	60		34.977		35.002	
PC5093	254		34.871		34.842	
PC5105	210		34.918		34.906	Uptrace
	212		34.911		34.905	
PC5123	22		35.307		35.299	
	24		35.316		35.294	
	26		35.313		35.289	
PC5131	8		35.199		35.222	
PC5144	22		35.139		35.122	
PC5149	6		35.179		35.204	
PC5153	60		35.129		35.112	
PC5162	42		35.177		35.149	
PC5168	44		35.104		35.116	
	46		35.103		35.115	
	1436		34.552		34.600	
PC5170	50		35.086		35.081	
	52		35.093		35.082	
	84		34.996		34.991	
	86		34.998		34.993	

The algorithm is a simple recursive filter applied to both the PRT and FRT. It is a centered running mean boxcar filter with 1500 points, corresponding to 92 seconds or 92 m at a lowering rate of 60 m min. The filter is applied to the time series data after error checking. The combined temperature T_c is then estimated by

$$T_c(t) = \langle T_s \rangle(t) - \langle T_f \rangle(t) + T_f(t)$$

where subscripts are s for slow and f for fast, and $\langle \rangle$ indicate filtered data. The subroutine which does this calculation is called FAST2. The length of the filter is critical to the success of the algorithm: filters shorter than 1500 points are inferior for subsequent salinity calculations. This is apparently due to the relatively long time scale of the FRT drift. However, little difference was seen in the salinity calculations done using 1500 points and 2300 points.

e) Lag Correction and Salinity Calculations

After the PRT and FRT signals are combined, spectral analyses indicate that there is still a lag of about 2 data scans between the combined temperature and the conductivity signal. This is corrected using a scheme similar to that developed by Horne and Toole 1980. In that approach, filters are constructed for pressure, temperature and conductivity according to theoretical descriptions of sensor response as a function of time. Weights used in these filters are given in Table 4: the filters are not recursive. A separate program called ANAW.FOR is used to compute three sets of filter weights which are applied to pressure, temperature and conductivity. Salinity is calculated from lagged temperature and filtered pressure and conductivity using the subroutine SAL78 Fofonoff and Millard, 1983 for practical salinity.

f) Pressure Averaging.

After lag correction and salinity calculation, the data are accumulated in 2 db bins (± 1 db about even pressures, starting with 2 db, or the shallowest even pressure deeper than 2 db) and averaged to form an even 2 db series. All data within the range is averaged; no data are

discarded. For a uniform lowering rate of 60 m min, this involves about 2 seconds of data per bin, or 50 data scans. Near the top and bottom of the cast more points are included. Pressure averaging is done in subroutine PRSORT.

3. Data Display Notes

The 2 db data series are plotted on the following pages. All points in the series are plotted, but only subsampled 'standard' depth data are listed.

* * * * *

Important: Temperature traces (in degrees C) are bold solid lines, salinity traces (in practical salinity units) are light solid lines and σ_θ traces are dots (actual data points).

* * * * *

Station header information is also listed on each page. It is mostly self-explanatory, but the following may be of interpretative help. Across the top of each page are: station sequential number, latitude, longitude date, hour (GMT), cast depth (in db) and water depth in meters.

Below the plot is ancillary header information: the year day with decimal (GMT) time; sea surface temperature, dry and wet bulb air temperatures; wind speed in kt, and CTD identification number. The next two lines are comments. The first is the original comment entered at the beginning of data acquisition, and the second is one entered at the processing stage. It includes header processing date and information about modifications to header information made after the data were acquired. The second comment is primarily for our own use. We have also defined a coordinate system for the Gulf, in which the origin is 27° N, 111° W, and a rotation of 36° counterclockwise is applied, to line up approximately with the Gulf axis. The distance in km east and north of this reference point are given as Gulf co-ords.

Table 4: Lag correction filter weights

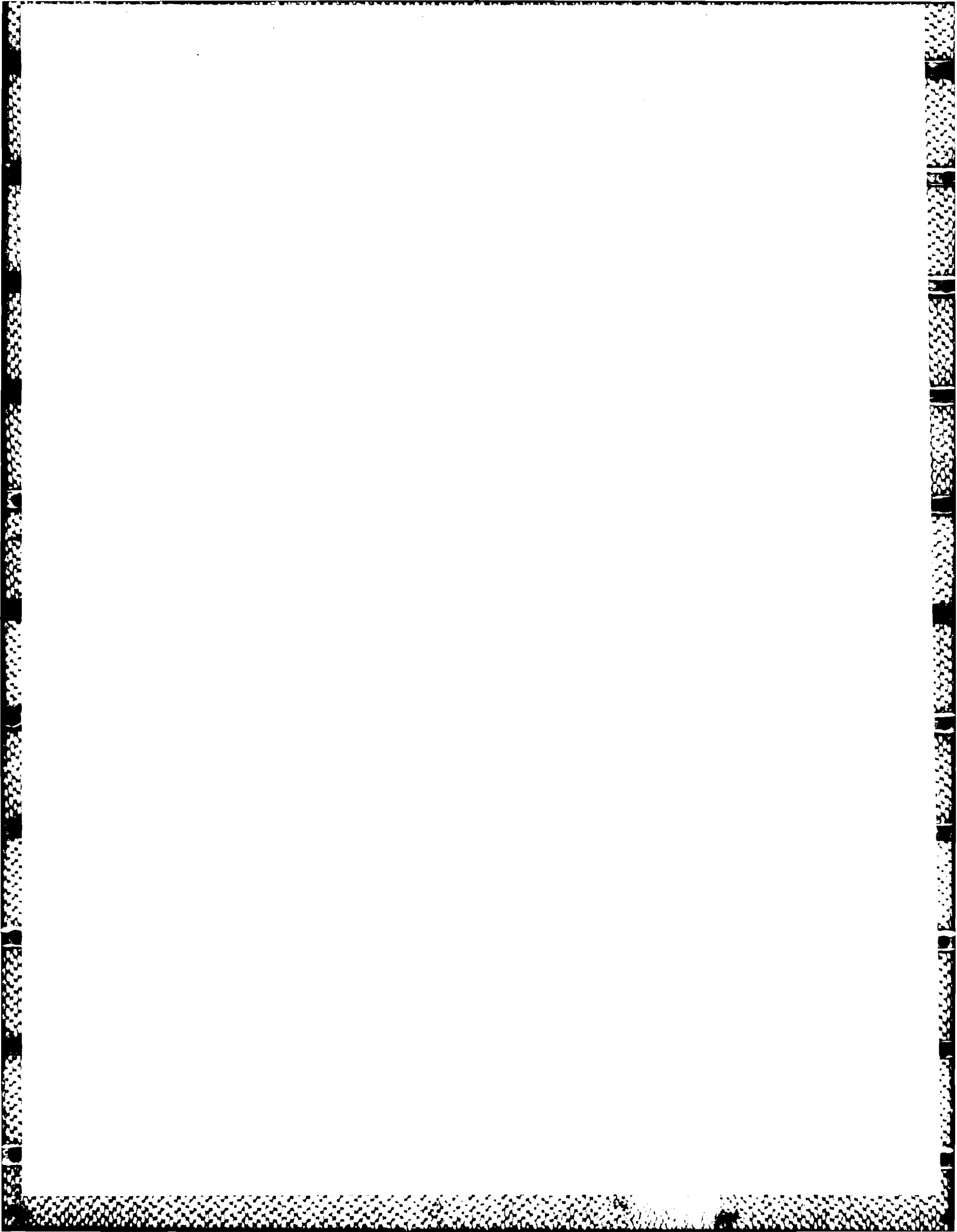
N	temperature weight	conductivity weight	pressure weight
1	-.0357	-.0048	.0064
2	.0041	.0075	-.0023
3	.0239	.0008	-.0084
4	-.0058	-.0089	-.0032
5	-.0368	.0046	.0075
6	.0424	.0077	.0092
7	.0063	-.0105	-.0029
8	-.0456	-.0037	-.0147
9	.0044	.0183	-.0065
10	.0075	-.0093	.0177
11	-.0982	-.0222	.0252
12	-.0597	.0375	-.0161
13	.2605	.0087	-.0682
14	-.1280	-.1200	.0008
15	-1.0870	.2404	.2967
16	.7074	.7074	.5177
17	1.5679	.2404	.2967
18	-.1120	-.1200	.0008
19	-.2431	.0087	-.0682
20	.1348	.0375	-.0161
21	.0539	-.0222	.0252
22	-.1062	-.0093	.0177
23	.0323	.0183	-.0065
24	.0383	-.0037	-.0147
25	-.0273	-.0105	-.0029
26	-.0271	.0077	.0092
27	.0460	.0046	.0075
28	-.0120	-.0089	-.0032
29	-.0222	.0008	-.0084
30	.0109	.0075	-.0023
31	.0262	-.0048	.0064

4. Potential Temperature vs Salinity Diagrams

Nine cross-Gulf sections comprise the large-scale survey. For each of these a composite potential temperature vs salinity (Θ vs S) plot and location map was constructed (Figures 5a to 5i).

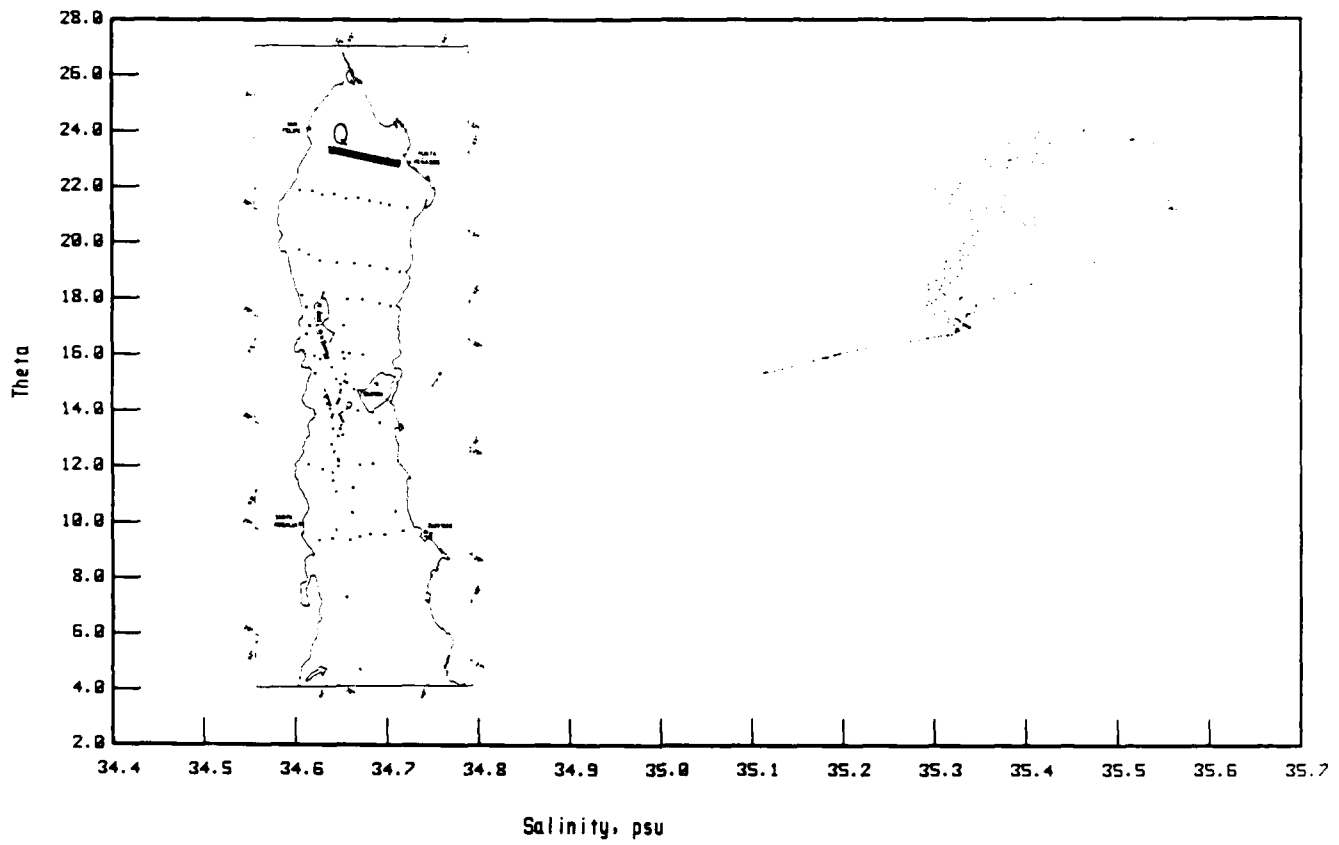
References

- Bray, N. A., 1987: Salinity calculation techniques for separately digitized fast response and platinum resistance CTD temperature sensors. (*Deep Sea Research*, in press).
- Fofonoff, N. P. and R. C. Millard, 1983: Algorithms for computation of fundamental properties of seawater. UNESCO Technical Papers in *Marine Science*, 44, 53 p.
- Horne, E. P. W., and J. M. Toole, 1980: Sensor response mismatches and lag correction techniques for temperature-salinity profilers. *J. Phys. Oceanogr.*, 10, 1122-1130.

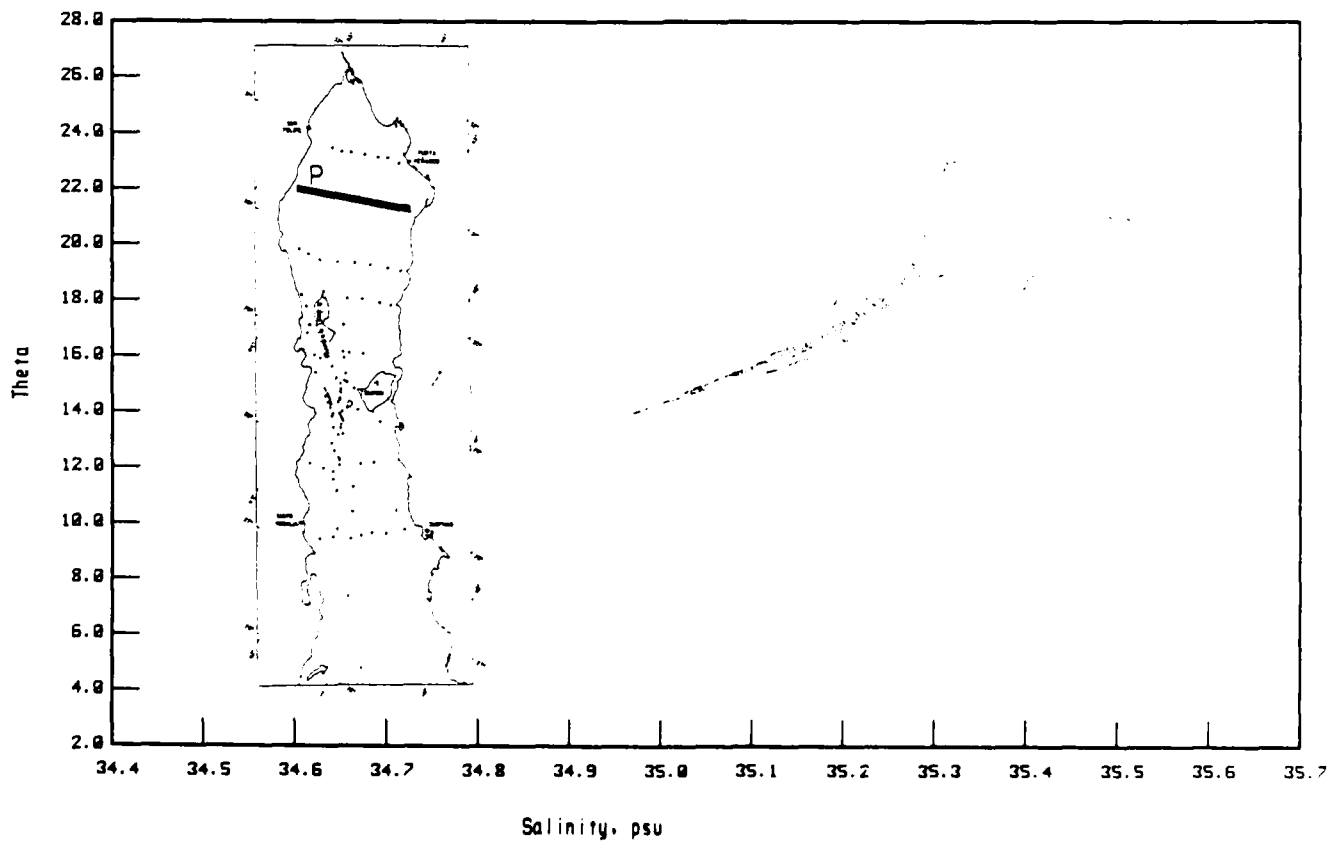


Potential Temperature vs. Salinity Diagrams

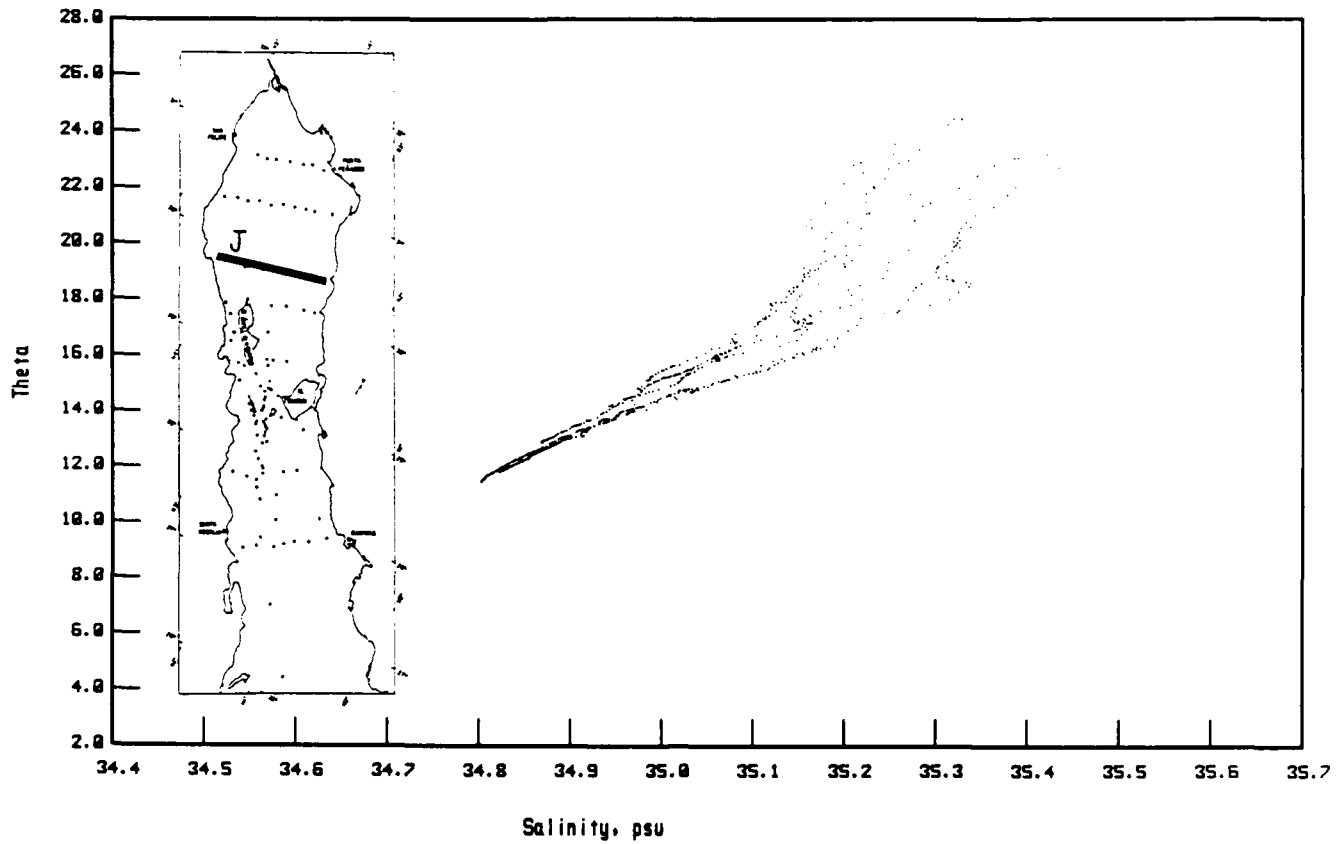
5a. Stations 109 to 115: Line Q



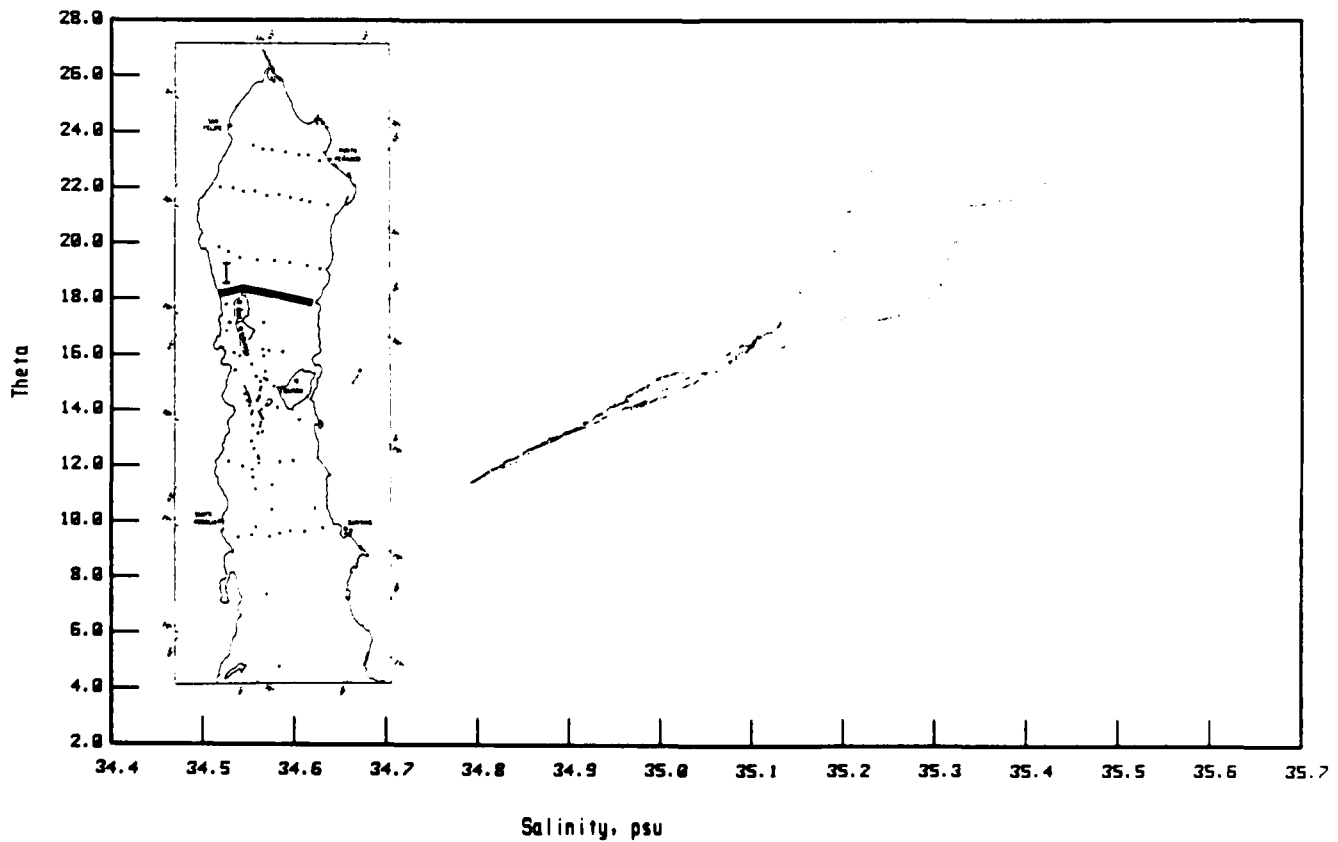
5b. Stations 116 to 125: Line P



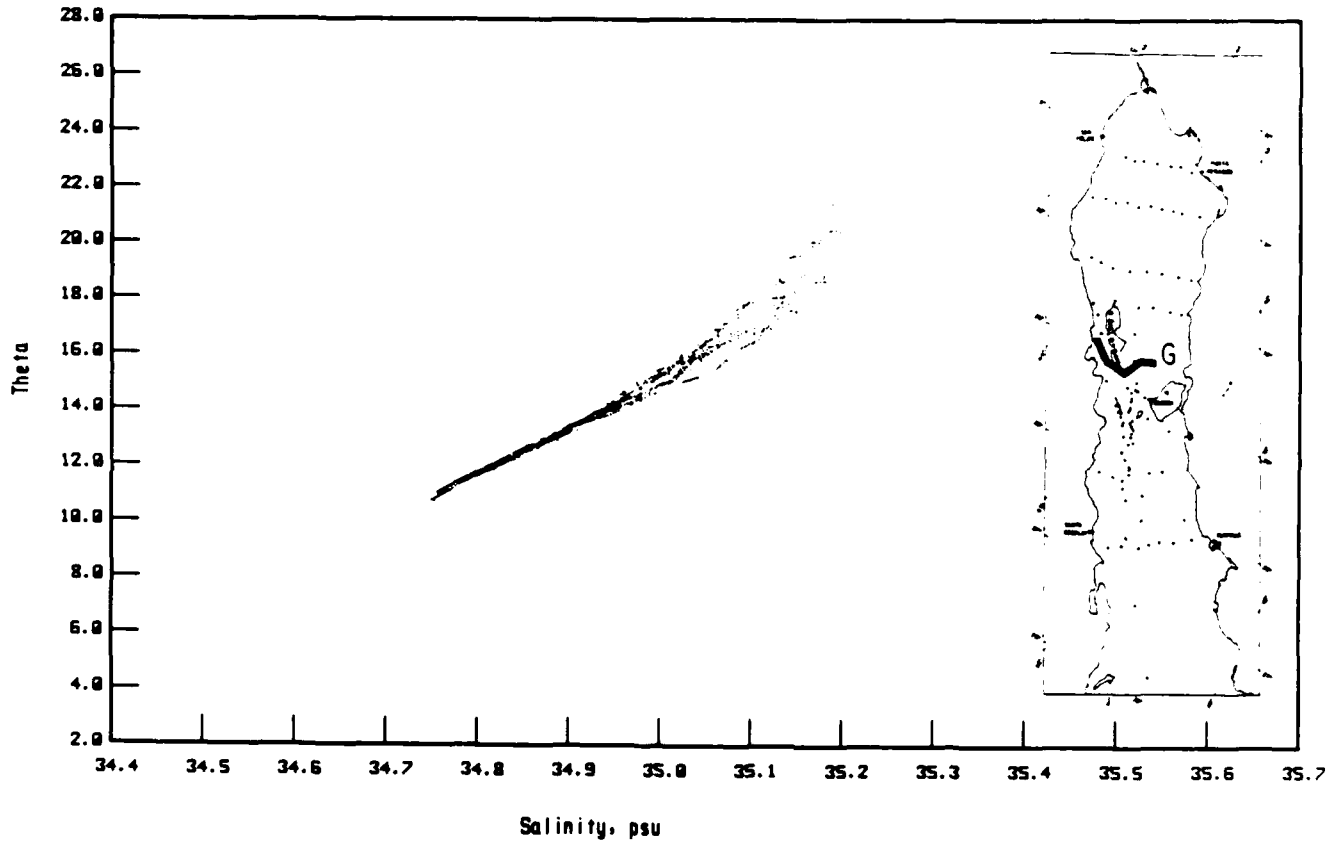
5c. Stations 127 to 133: Line J



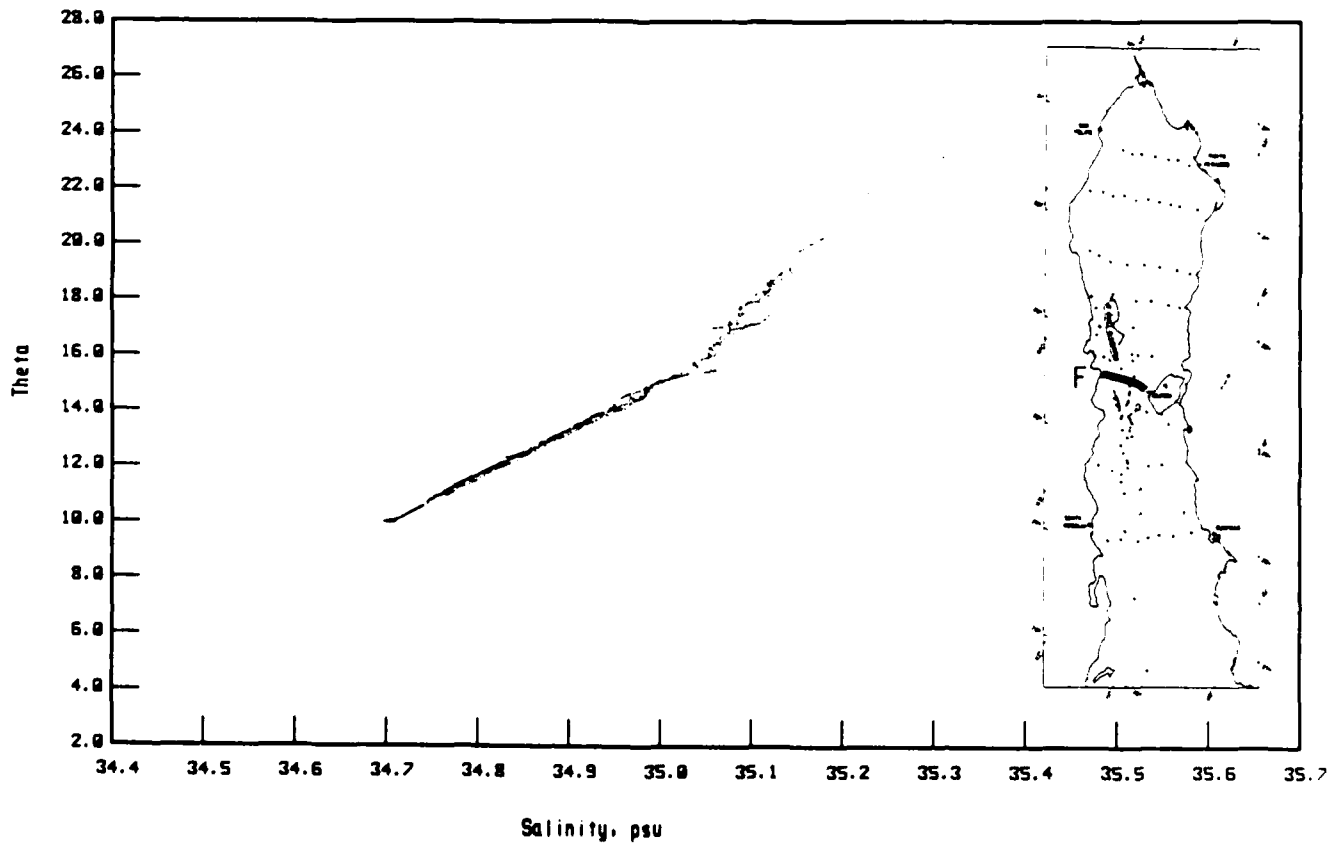
5d. Stations 134 to 139: Line I



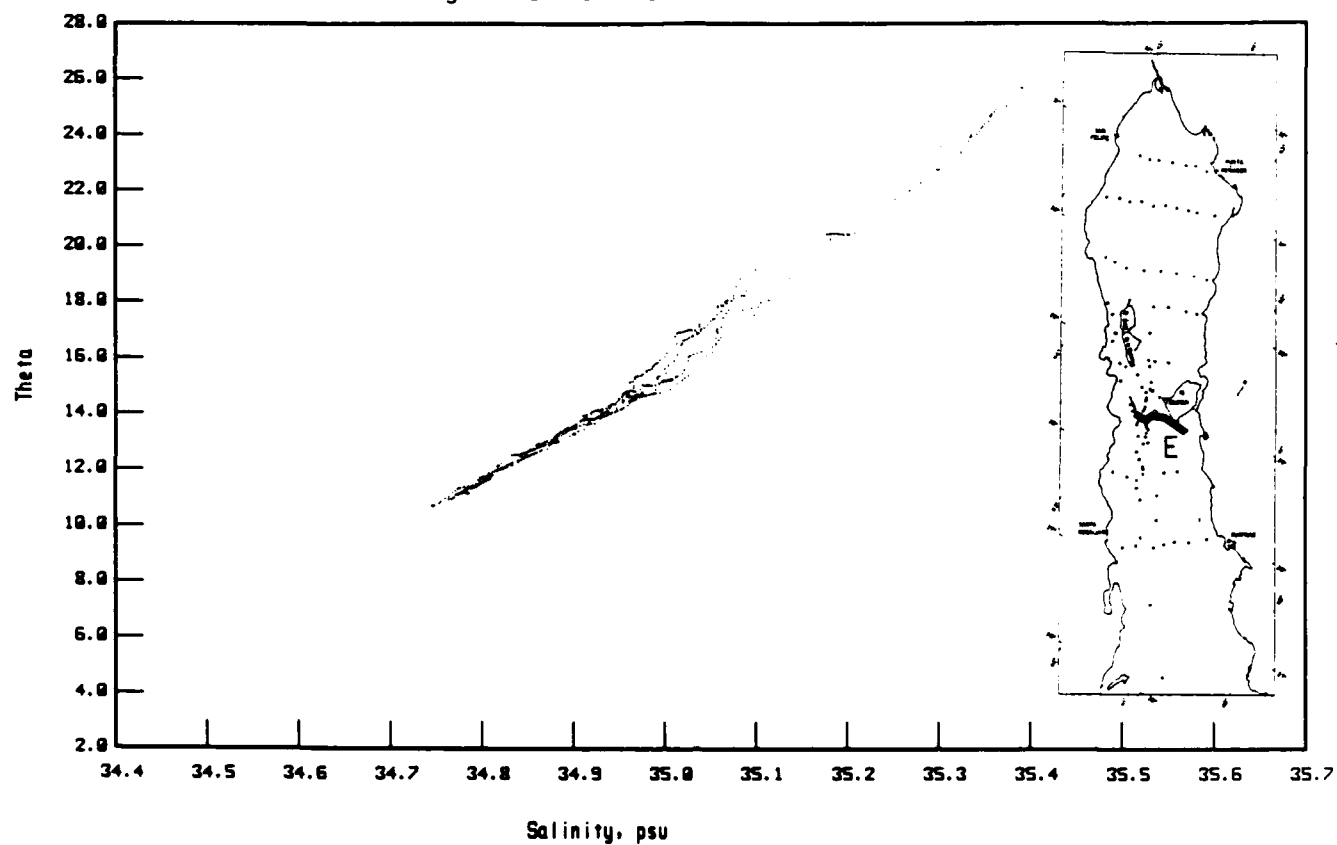
5e. Stations 143 to 149: Line G



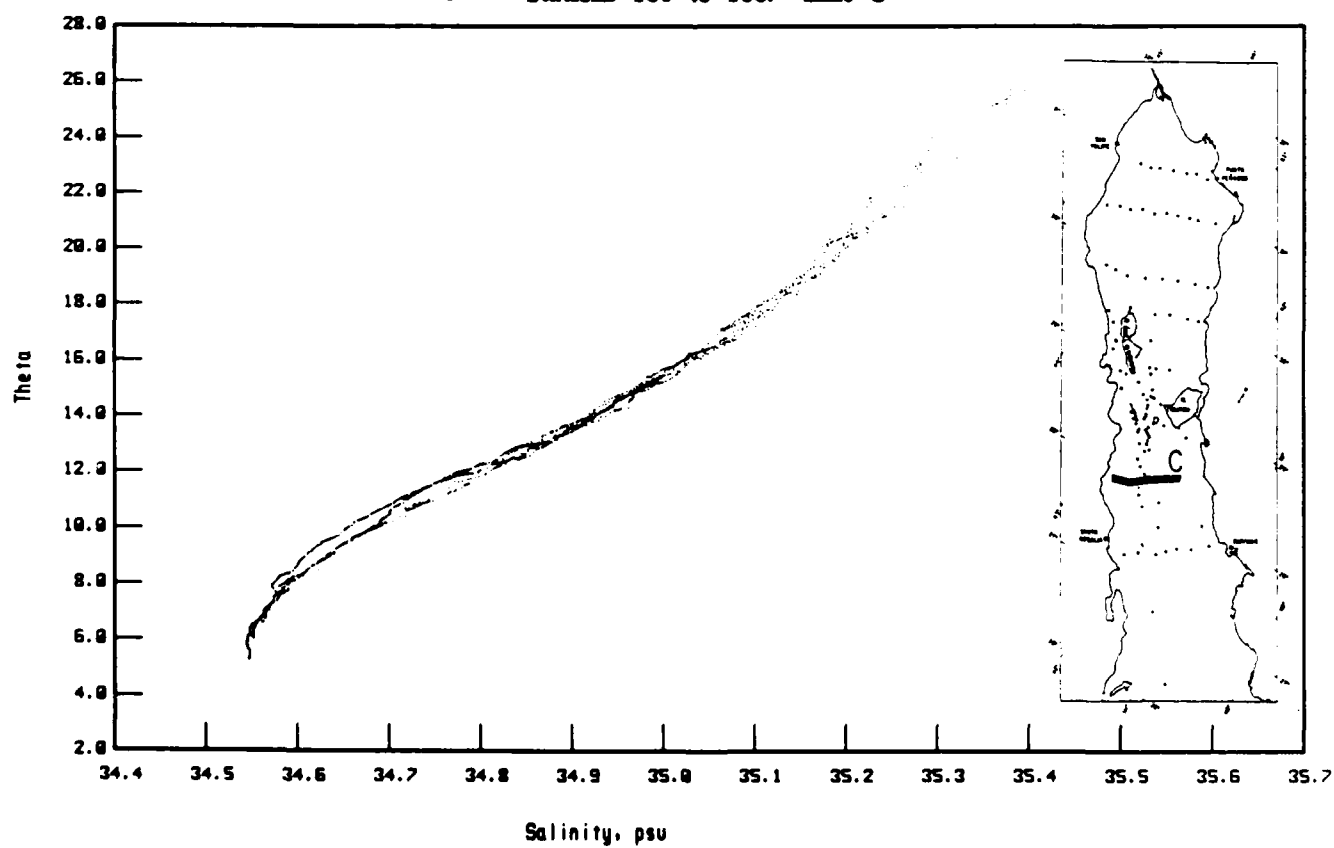
5f. Stations 150 to 153: Line F



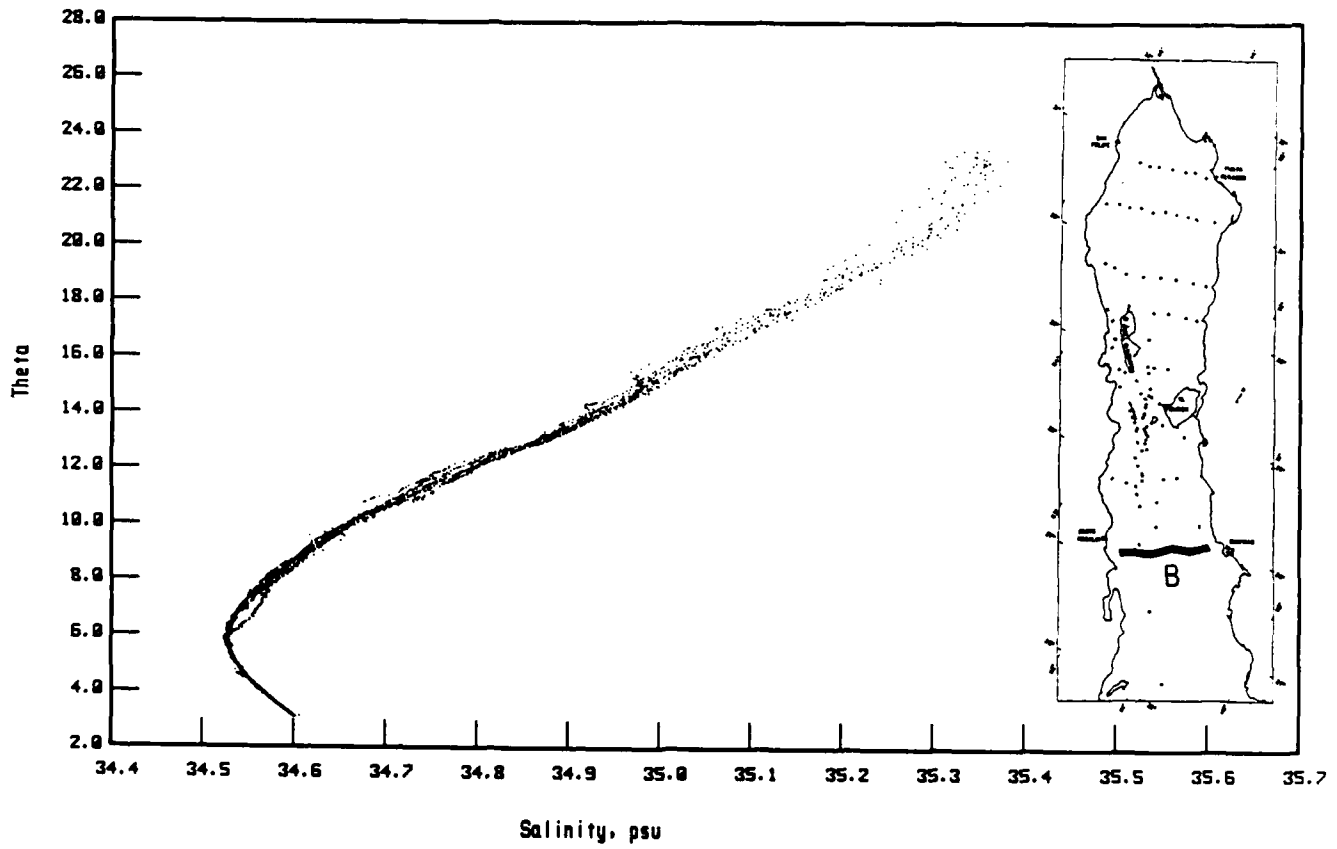
5g. Stations 155 to 159: Line E



5h. Stations 160 to 166: Line C



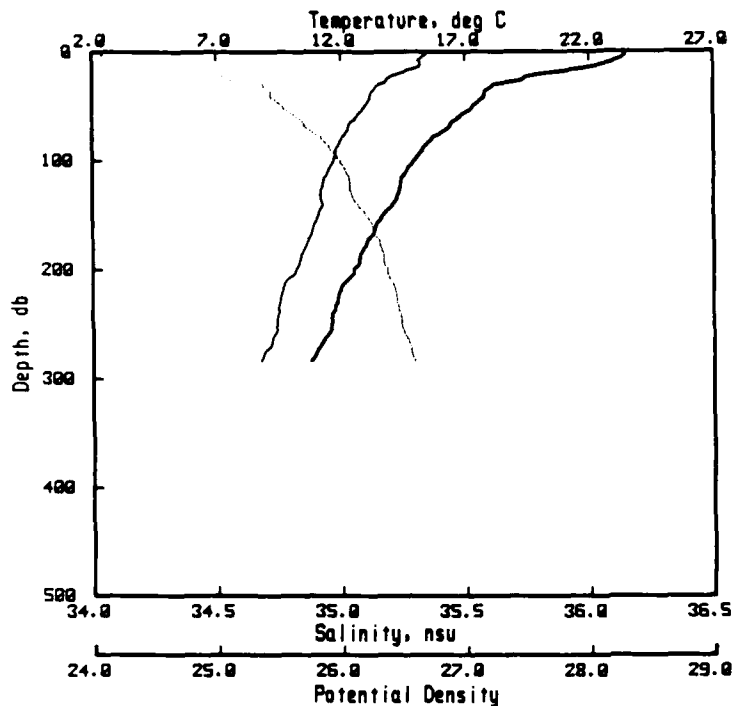
51. Stations 2 to 8: Line B



Station Profiles

STATION PC5002 : 27 49.1 N 111 11.0 W 11/ 5/84 725Z 284/ 297m

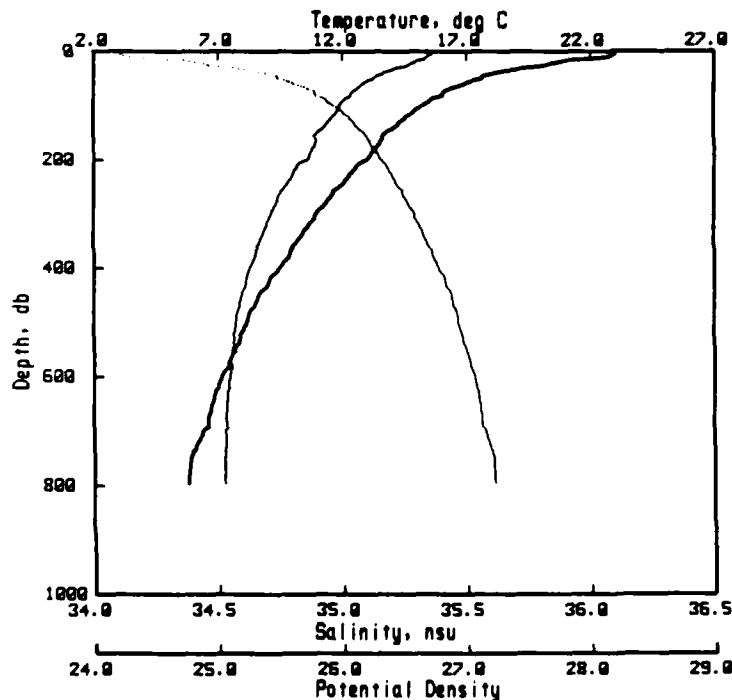
Day: 132.31 SST: 23.4 Tdry: none RH: none Wspd: 8.0 CTD #: 2
 26 FEB 86 ANC Temperatures:SH Gulf Co-ords: 38.8km 84.1km
 B-2



PR	THETA	SA	SGTH
2.0	23.437	35.346	24.089
10.0	22.855	35.316	24.235
20.0	20.104	35.228	24.927
30.0	18.135	35.150	25.372
40.0	17.765	35.118	25.438
50.0	17.290	35.095	25.536
60.0	16.736	35.062	25.642
70.0	16.280	35.026	25.721
80.0	15.655	35.001	25.845
90.0	15.266	34.979	25.915
100.0	14.891	34.967	25.989
120.0	14.379	34.926	26.068
140.0	14.068	34.926	26.134
160.0	13.379	34.887	26.247
180.0	12.896	34.852	26.318
200.0	12.506	34.817	26.368

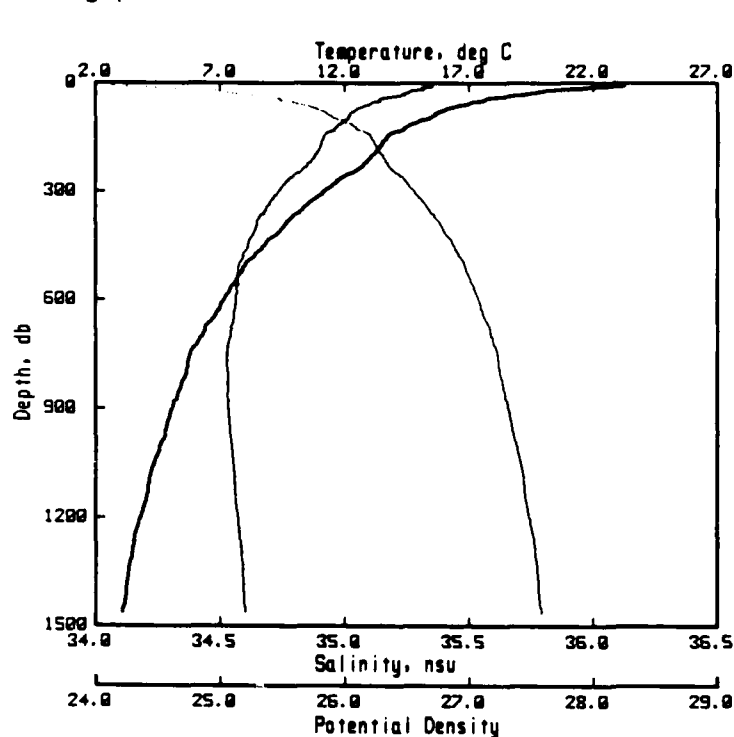
STATION PC5003 : 27 41.4 N 111 20.1 W 11/ 5/84 944Z 797/ 834m

Day: 132.41 SST: 22.9 Tdry: none RH: none Wspd: 2.0 CTD #: 2
 26 FEB 86 Temperatures:SHIP P Gulf Co-ords: 18.3km 81.5km
 B-3



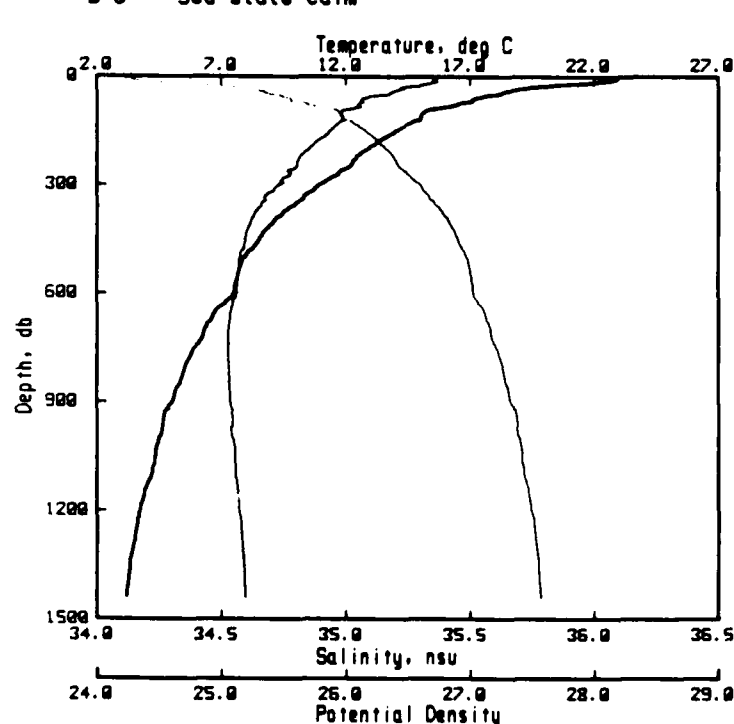
PR	THETA	SA	SGTH
2.0	23.009	35.360	24.224
10.0	22.703	35.338	24.295
20.0	20.688	35.293	24.820
30.0	19.315	35.217	25.125
40.0	18.139	35.165	25.382
50.0	17.582	35.123	25.487
60.0	16.924	35.082	25.613
70.0	16.330	35.056	25.733
80.0	16.041	35.035	25.783
90.0	15.537	35.005	25.875
100.0	15.234	34.990	25.931
120.0	14.540	34.960	26.059
140.0	14.102	34.927	26.128
160.0	13.616	34.893	26.203
180.0	13.235	34.878	26.269
200.0	12.925	34.855	26.314
300.0	10.928	34.713	26.584
400.0	9.432	34.625	26.774
500.0	8.164	34.572	26.934
600.0	7.131	34.546	27.064
700.0	6.365	34.527	27.153

STATION PC5004 : 27 36.5 N 111 28.5 W 11/ 5/84 1148Z 1464/1472m

Day: 132.49 SST: 22.5 Tdry: none RH: none Wspd: 6.0 CTD #: 2
26 FEB 86 ANC Temperatures:SHI Gulf Co-ords: 1.8km 82.3km
B-4

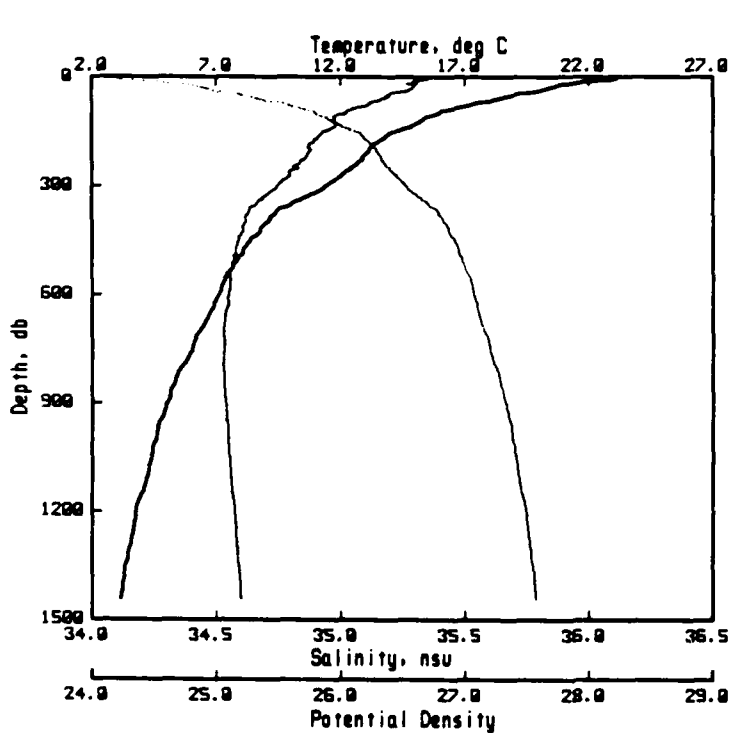
PR	THETA	SA	SGTH
10.0	22.876	35.353	24.257
20.0	20.124	35.281	24.962
30.0	19.337	35.237	25.134
40.0	17.996	35.170	25.421
50.0	17.410	35.144	25.545
60.0	16.773	35.095	25.659
70.0	16.166	35.053	25.768
80.0	15.772	35.031	25.841
90.0	15.563	35.019	25.880
100.0	15.245	35.010	25.944
120.0	14.507	34.968	26.073
140.0	13.816	34.924	26.185
160.0	13.524	34.908	26.233
180.0	13.346	34.898	26.262
200.0	13.075	34.880	26.303
300.0	11.140	34.733	26.561
400.0	9.466	34.642	26.782
500.0	8.021	34.576	26.958
600.0	7.144	34.565	27.077
700.0	6.286	34.541	27.174
800.0	5.657	34.531	27.247
900.0	5.070	34.535	27.320
1000.0	4.592	34.546	27.383
1100.0	4.155	34.558	27.440
1200.0	3.794	34.572	27.489
1300.0	3.457	34.585	27.533
1400.0	3.235	34.594	27.561

STATION PC5005 : 27 31.4 N 111 36.0 W 11/ 5/84 1450Z 1442/1790m

Day: 132.62 SST: 22.7 Tdry: none RH: none Wspd: 13.0 CTD #: 2
26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -13.8km 81.9km
B-5 Sea state calm

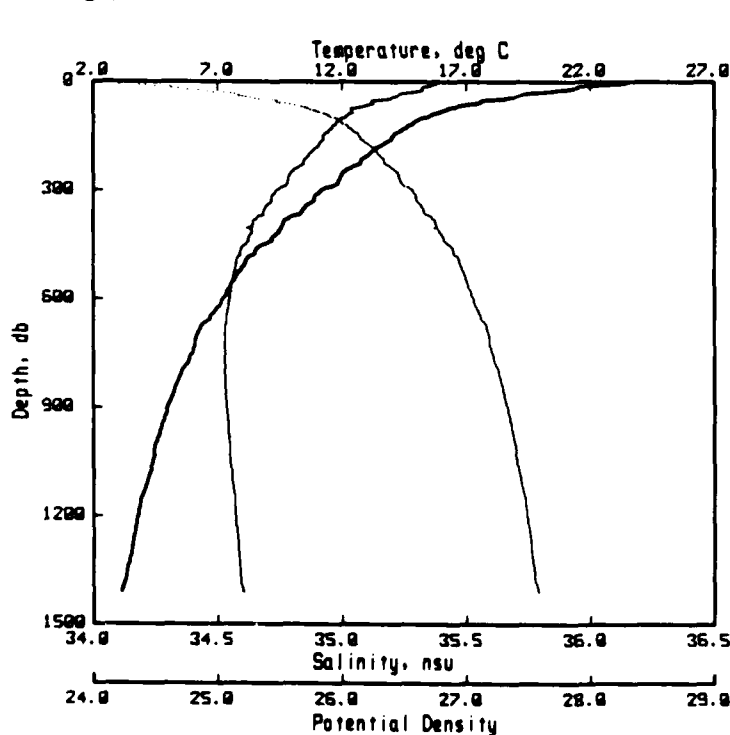
PR	THETA	SA	SGTH
10.0	22.690	35.350	24.308
20.0	21.231	35.333	24.703
30.0	19.392	35.222	25.109
40.0	18.480	35.193	25.319
50.0	17.975	35.159	25.418
60.0	17.145	35.067	25.549
70.0	16.921	35.070	25.605
80.0	16.283	35.054	25.742
90.0	15.445	35.015	25.903
100.0	15.067	34.977	25.958
120.0	14.919	34.989	25.999
140.0	14.279	34.951	26.109
160.0	13.744	34.920	26.197
180.0	13.250	34.878	26.266
200.0	12.889	34.853	26.320
300.0	10.888	34.730	26.605
400.0	9.086	34.620	26.827
500.0	7.939	34.575	26.970
600.0	7.450	34.560	27.030
700.0	6.305	34.527	27.161
800.0	5.548	34.530	27.259
900.0	5.023	34.537	27.327
1000.0	4.472	34.545	27.396
1100.0	4.193	34.558	27.436
1200.0	3.747	34.572	27.494
1300.0	3.444	34.585	27.534
1400.0	3.257	34.593	27.558

STATION PC5006 : 27 26.0 N 111 41.1 W 11/ 5/84 1735Z 1442/1686m

Day: 132.73 SST: 24.2 Tdry: none RH: none Wspd: 5.0 CTD #: 2
26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -26.5km 78.7km
B-6

PR	THETA	SA	SGTH
2.0	23.176	35.353	24.170
10.0	22.526	35.322	24.333
20.0	21.022	35.306	24.740
30.0	20.375	35.292	24.904
40.0	19.795	35.266	25.037
50.0	18.910	35.192	25.209
60.0	18.323	35.163	25.335
70.0	17.533	35.120	25.496
80.0	16.994	35.103	25.613
90.0	16.342	35.038	25.716
100.0	15.922	35.022	25.800
120.0	15.232	34.976	25.920
140.0	14.654	34.966	26.039
160.0	13.834	34.915	26.175
180.0	13.475	34.889	26.229
200.0	13.150	34.880	26.288
300.0	11.348	34.745	26.532
400.0	9.009	34.613	26.834
500.0	7.877	34.571	26.976
600.0	7.081	34.550	27.074
700.0	6.350	34.530	27.157
800.0	5.597	34.526	27.250
900.0	5.000	34.537	27.330
1000.0	4.586	34.548	27.386
1100.0	4.237	34.556	27.430
1200.0	3.764	34.574	27.493
1300.0	3.498	34.585	27.529
1400.0	3.241	34.595	27.561

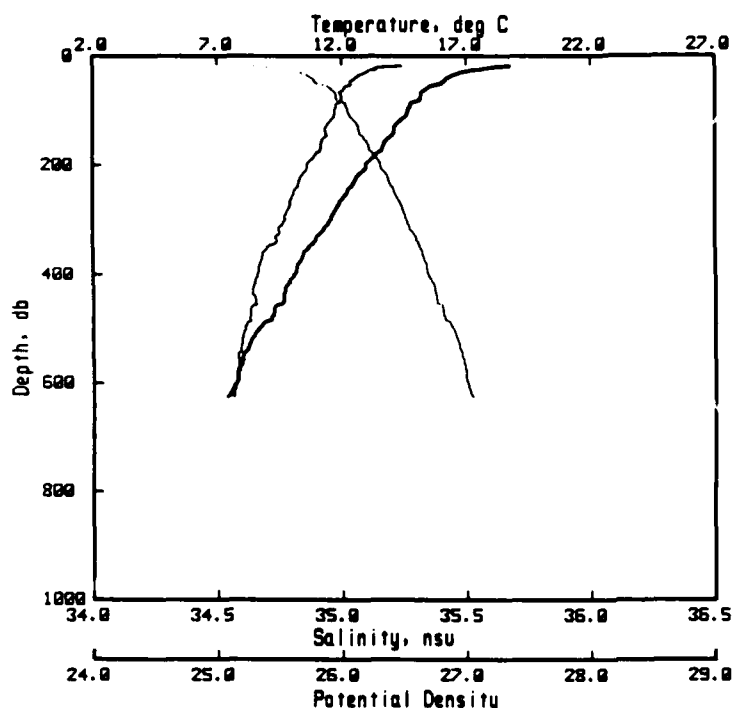
STATION PC5007 : 27 19.8 N 111 53.0 W 11/ 5/84 2010Z 1410/1472m

Day: 132.84 SST: 23.7 Tdry: none RH: none Wspd: 13.0 CTD #: 2
26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -49.1km 81.0km
B-7

PR	THETA	SA	SGTH
10.0	22.279	35.345	24.421
20.0	21.146	35.324	24.720
30.0	19.762	35.275	25.053
40.0	19.023	35.219	25.201
50.0	17.871	35.162	25.446
60.0	17.362	35.127	25.543
70.0	16.508	35.071	25.703
80.0	16.052	35.043	25.787
90.0	15.574	35.023	25.880
100.0	15.145	34.998	25.957
120.0	14.643	34.960	26.037
140.0	14.163	34.934	26.120
160.0	13.910	34.924	26.166
180.0	13.435	34.899	26.245
200.0	13.089	34.869	26.292
300.0	11.125	34.734	26.565
400.0	9.565	34.641	26.765
500.0	8.106	34.576	26.945
600.0	7.196	34.546	27.055
700.0	6.166	34.528	27.180
800.0	5.548	34.528	27.258
900.0	5.000	34.537	27.330
1000.0	4.504	34.548	27.395
1100.0	4.170	34.558	27.439
1200.0	3.795	34.571	27.488
1300.0	3.524	34.583	27.524
1400.0	3.163	34.598	27.571

STATION PC5008 : 27 14.9 N 112 1.1 W 11/ 5/84 2146Z 625/ 686m

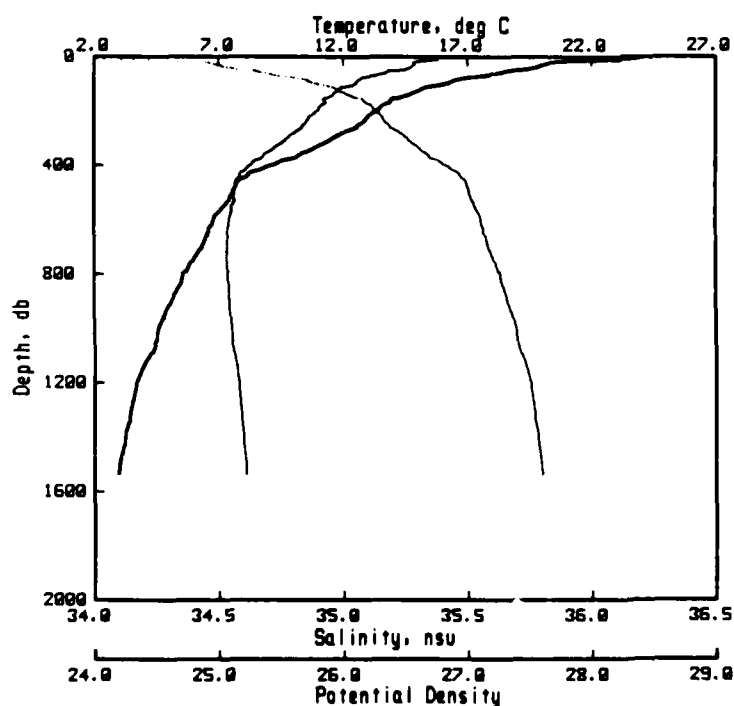
Day: 132.91 SST: 23.3 Tdry: none RH: none Wspd: 13.0 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -65.3km 81.5km
 B-8



PR	THETA	SA	SGTH
20.0	18.033	35.148	25.396
30.0	16.738	35.094	25.667
40.0	16.221	35.052	25.755
50.0	15.966	35.032	25.798
60.0	15.372	35.005	25.912
70.0	15.167	34.996	25.950
80.0	15.132	34.999	25.960
90.0	14.739	34.976	26.029
100.0	14.640	34.971	26.046
120.0	14.282	34.952	26.108
140.0	14.074	34.937	26.141
160.0	13.685	34.917	26.207
180.0	13.377	34.894	26.253
200.0	12.961	34.860	26.311
300.0	11.527	34.773	26.521
400.0	10.076	34.661	26.694
500.0	8.641	34.610	26.890
600.0	7.696	34.572	27.003

STATION PC5009 : 27 39.8 N 111 49.5 W 13/ 5/84 52Z 1536/1657m

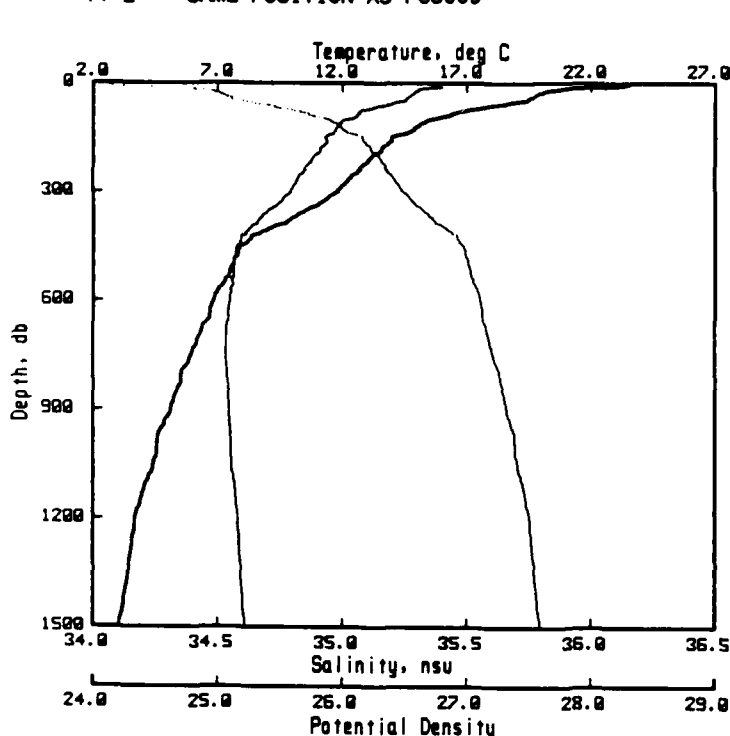
Day: 134.04 SST: 25.1 Tdry: none RH: none Wspd: 5.0 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -22.6km 107.5km
 Y1-1



PR	THETA	SA	SGTH
10.0	23.066	35.380	24.223
20.0	20.378	35.283	24.896
30.0	20.013	35.280	24.990
40.0	19.680	35.270	25.070
50.0	18.668	35.204	25.280
60.0	18.186	35.171	25.375
70.0	17.559	35.111	25.483
80.0	16.768	35.068	25.640
90.0	16.376	35.055	25.721
100.0	16.029	35.047	25.795
120.0	15.112	34.981	25.951
140.0	14.621	34.959	26.041
160.0	13.912	34.923	26.164
180.0	13.540	34.908	26.230
200.0	13.293	34.891	26.268
300.0	11.555	34.772	26.515
400.0	9.114	34.627	26.828
500.0	7.569	34.563	27.015
600.0	6.795	34.544	27.109
700.0	6.326	34.534	27.164
800.0	5.557	34.536	27.263
900.0	5.111	34.542	27.321
1000.0	4.569	34.551	27.390
1100.0	4.194	34.564	27.441
1200.0	3.673	34.581	27.508
1300.0	3.461	34.589	27.535
1400.0	3.243	34.598	27.564
1500.0	3.015	34.608	27.593

STATION PC5010 : 27 39.8 N 111 49.5 W 13/ 5/84 212Z 1492/1657m

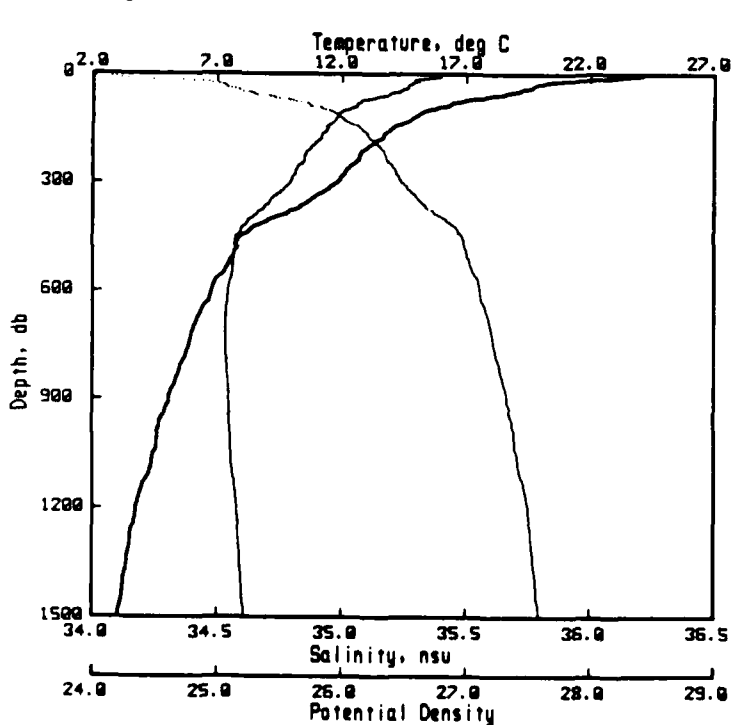
Day: 134.09 SST: 24.1 Tdry: none RH: none Wspd: 6.0 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -22.6km 107.5km
 Y1-2 SAME POSITION AS PC5009



PR	THETA	SA	SGTH
10.0	22.962	35.369	24.244
20.0	20.478	35.308	24.888
30.0	19.858	35.280	25.031
40.0	19.507	35.259	25.107
50.0	19.071	35.241	25.206
60.0	18.132	35.183	25.398
70.0	17.497	35.119	25.504
80.0	16.621	35.064	25.671
90.0	16.227	35.060	25.760
100.0	15.515	35.017	25.889
120.0	14.977	34.984	25.983
140.0	14.408	34.956	26.085
160.0	13.955	34.939	26.168
180.0	13.570	34.911	26.226
200.0	13.187	34.890	26.288
300.0	11.787	34.794	26.488
400.0	9.114	34.632	26.832
500.0	7.624	34.567	27.010
600.0	6.826	34.548	27.108
700.0	6.229	34.534	27.176
800.0	5.560	34.539	27.265
900.0	5.118	34.546	27.323
1000.0	4.572	34.553	27.391
1100.0	4.119	34.568	27.452
1200.0	3.685	34.581	27.507
1300.0	3.499	34.589	27.532
1400.0	3.274	34.599	27.561

STATION PC5011 : 27 40.6 N 111 50.0 W 13/ 5/84 315Z 1497/1657m

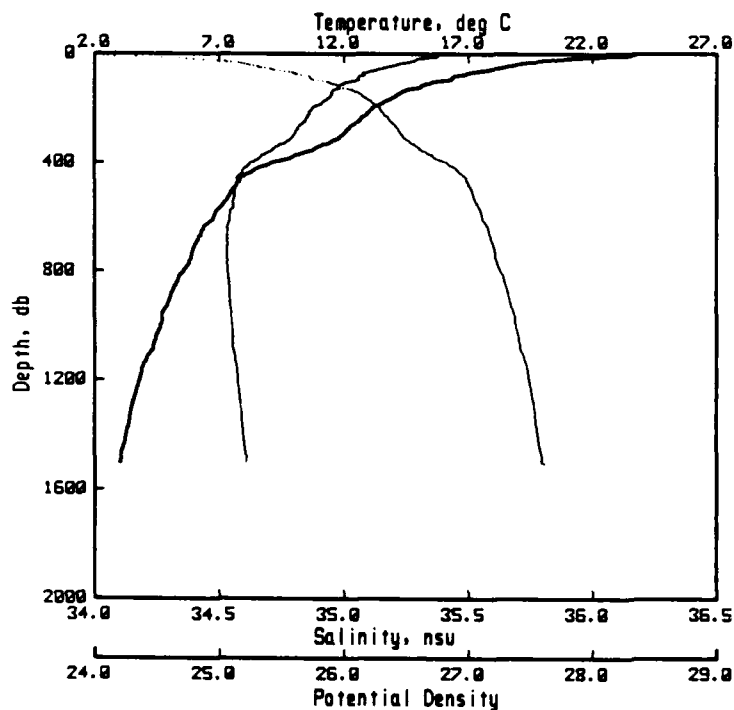
Day: 134.14 SST: 24.1 Tdry: none RH: none Wspd: 8.0 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SH Gulf Co-ords: -22.4km 109.2km
 Y1-3



PR	THETA	SA	SGTH
10.0	23.195	35.380	24.185
20.0	20.737	35.297	24.810
30.0	19.790	35.273	25.044
40.0	19.494	35.266	25.116
50.0	18.839	35.224	25.252
60.0	18.063	35.179	25.412
70.0	17.197	35.108	25.568
80.0	16.441	35.075	25.721
90.0	16.247	35.058	25.754
100.0	15.458	35.013	25.899
120.0	14.885	34.978	25.998
140.0	14.348	34.953	26.095
160.0	13.806	34.931	26.193
180.0	13.532	34.915	26.237
200.0	13.066	34.878	26.304
300.0	11.823	34.795	26.482
400.0	9.181	34.635	26.823
500.0	7.664	34.568	27.005
600.0	6.776	34.544	27.111
700.0	6.063	34.534	27.198
800.0	5.584	34.538	27.261
900.0	5.069	34.547	27.330
1000.0	4.597	34.553	27.388
1100.0	4.279	34.561	27.429
1200.0	3.738	34.580	27.501
1300.0	3.513	34.589	27.530
1400.0	3.254	34.599	27.563

STATION PC5012 : 27 40.6 N 111 50.0 W 13/ 5/84 411Z 1504/1643m

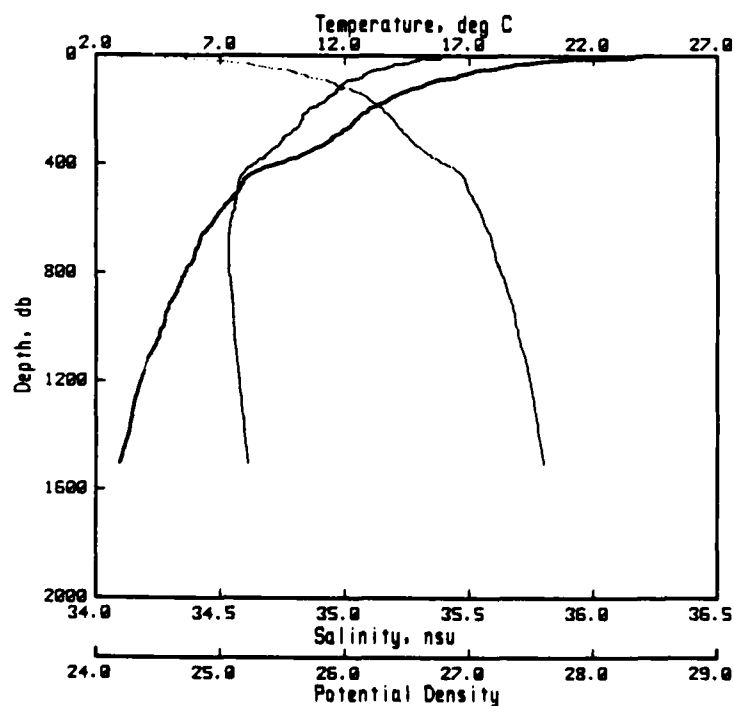
Day: 135.17 SST: 23.9 Tdry: none RH: none Wspd: 9.0 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -22.4km 109.2km
 Y1-4 same position than pc5011



PR	THETA	SA	SGTH
10.0	23.211	35.356	24.162
20.0	20.770	35.289	24.795
30.0	19.688	35.264	25.064
40.0	18.907	35.214	25.227
50.0	18.388	35.169	25.323
60.0	17.782	35.129	25.443
70.0	16.970	35.075	25.597
80.0	16.470	35.074	25.714
90.0	16.346	35.058	25.731
100.0	15.836	35.031	25.827
120.0	15.087	34.980	25.956
140.0	14.301	34.948	26.101
160.0	13.969	34.941	26.166
180.0	13.564	34.911	26.228
200.0	13.121	34.872	26.288
300.0	11.915	34.798	26.467
400.0	9.106	34.626	26.828
500.0	7.494	34.563	27.026
600.0	6.772	34.541	27.110
700.0	6.043	34.534	27.200
800.0	5.572	34.535	27.260
900.0	5.027	34.544	27.332
1000.0	4.628	34.551	27.383
1100.0	4.217	34.563	27.438
1200.0	3.800	34.574	27.490
1300.0	3.489	34.588	27.532
1400.0	3.259	34.597	27.561
1500.0	3.023	34.608	27.592

STATION PC5013 : 27 42.2 N 111 50.4 W 13/ 5/84 520Z 1504/1643m

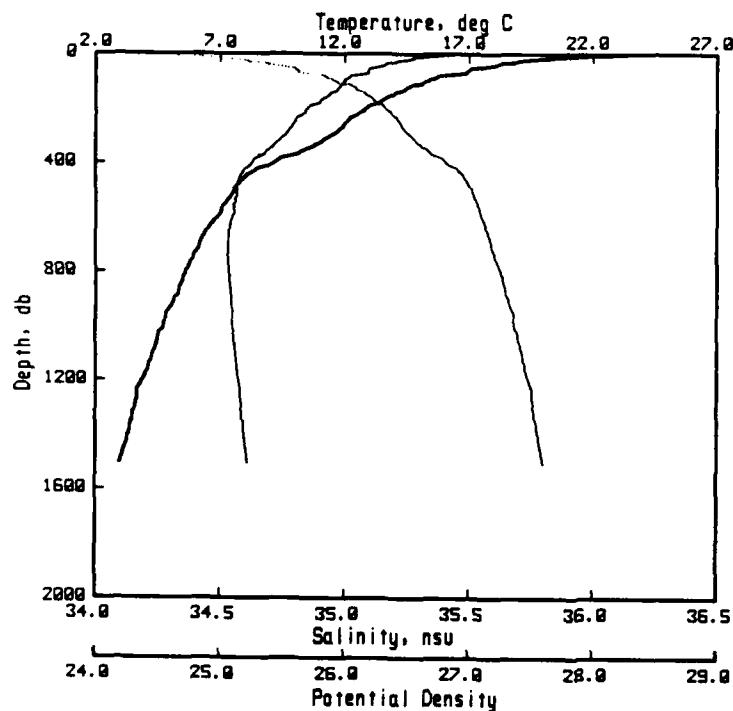
Day: 134.22 SST: 23.7 Tdry: none RH: none Wspd: 11.0 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -21.1km 112.0km
 Y1-5



PR	THETA	SA	SGTH
10.0	21.900	35.385	24.558
20.0	20.043	35.271	24.976
30.0	18.985	35.224	25.215
40.0	18.479	35.184	25.312
50.0	17.764	35.150	25.463
60.0	17.116	35.102	25.583
70.0	16.623	35.074	25.678
80.0	16.494	35.072	25.707
90.0	15.641	35.007	25.853
100.0	15.340	34.998	25.913
120.0	14.754	34.992	26.038
140.0	14.207	34.954	26.126
160.0	13.816	34.927	26.188
180.0	13.378	34.892	26.251
200.0	12.944	34.853	26.309
300.0	11.493	34.755	26.513
400.0	9.210	34.629	26.814
500.0	7.715	34.567	26.997
600.0	6.764	34.544	27.113
700.0	6.124	34.534	27.190
800.0	5.575	34.536	27.261
900.0	5.038	34.546	27.333
1000.0	4.663	34.554	27.382
1100.0	4.180	34.565	27.443
1200.0	3.791	34.577	27.493
1300.0	3.503	34.589	27.531
1400.0	3.287	34.597	27.559
1500.0	2.966	34.611	27.600

STATION PC5014 : 27 41.6 N 111 50.2 W 13/ 5/84 618Z 1504/1577m

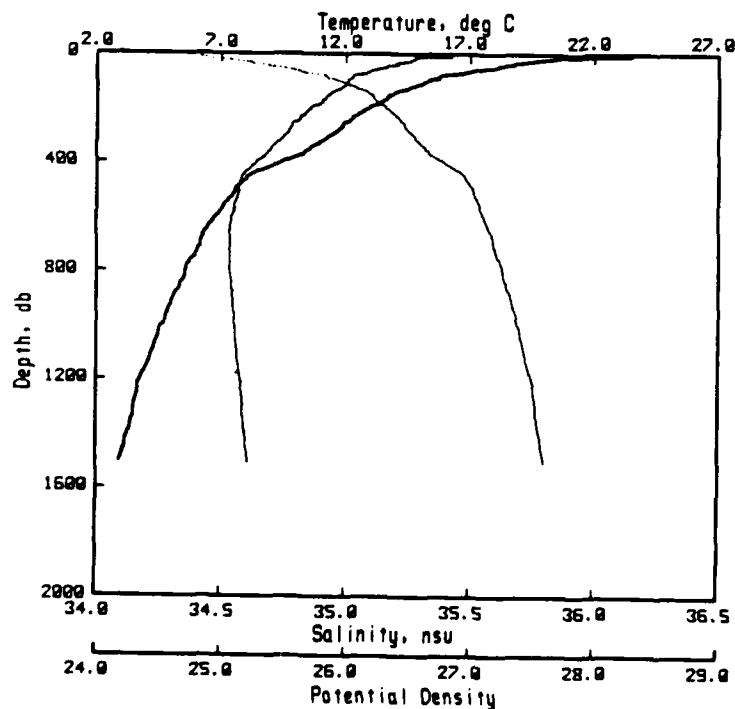
Day: 134.26 SST: 23.4 Tdry: none RH: none Wspd: 8.5 CTD #: 2
26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -21.4km 110.9km
Y1-6



PR	THETA	SA	SGTH
10.0	20.806	35.300	24.794
20.0	19.566	35.261	25.093
30.0	18.798	35.206	25.249
40.0	18.065	35.164	25.400
50.0	17.303	35.116	25.549
60.0	16.981	35.095	25.610
70.0	16.866	35.091	25.634
80.0	15.781	35.025	25.835
90.0	15.583	35.013	25.870
100.0	15.285	35.002	25.929
120.0	14.582	34.979	26.065
140.0	14.064	34.952	26.155
160.0	13.685	34.925	26.213
180.0	13.356	34.896	26.259
200.0	12.827	34.850	26.330
300.0	11.385	34.757	26.535
400.0	9.157	34.628	26.822
500.0	7.541	34.568	27.023
600.0	6.859	34.549	27.104
700.0	6.185	34.534	27.182
800.0	5.607	34.534	27.255
900.0	5.153	34.544	27.318
1000.0	4.744	34.551	27.370
1100.0	4.293	34.562	27.429
1200.0	3.876	34.575	27.483
1300.0	3.586	34.585	27.520
1400.0	3.304	34.598	27.558
1500.0	2.992	34.610	27.596

STATION PC5015 : 27 43.6 N 111 50.7 W 13/ 5/84 757Z 1503/1577m

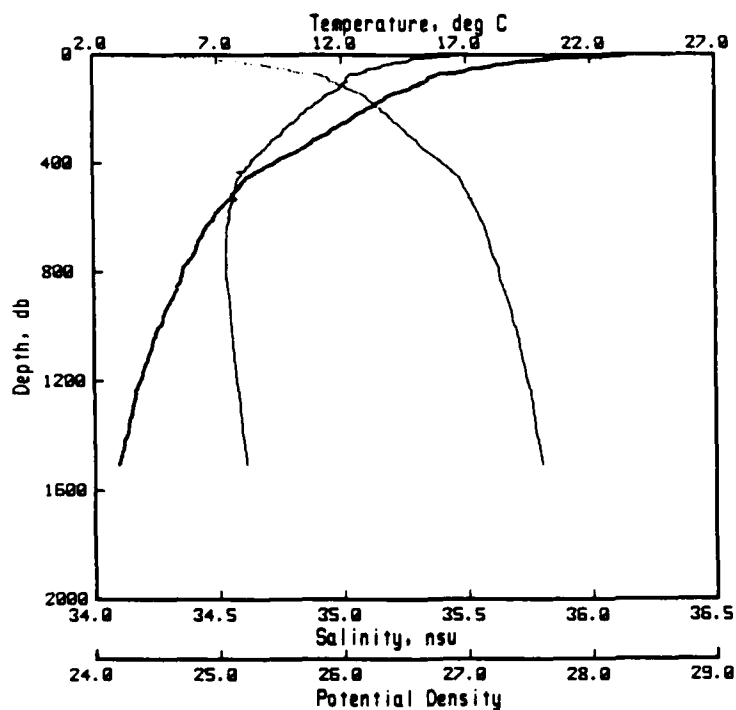
Day: 134.33 SST: 23.6 Tdry: none RH: none Wspd: 7.0 CTD #: 2
26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -20.0km 114.3km
Y1-7



PR	THETA	SA	SGTH
10.0	20.947	35.425	24.851
20.0	19.895	35.270	25.014
30.0	19.012	35.220	25.205
40.0	18.480	35.211	25.332
50.0	17.925	35.157	25.429
60.0	17.165	35.114	25.580
70.0	16.704	35.082	25.665
80.0	15.790	35.031	25.837
90.0	15.667	35.026	25.861
100.0	15.223	35.005	25.945
120.0	14.639	34.988	26.060
140.0	13.983	34.945	26.167
160.0	13.658	34.918	26.213
180.0	13.374	34.897	26.256
200.0	12.898	34.856	26.320
300.0	11.368	34.756	26.537
400.0	9.409	34.641	26.791
500.0	7.562	34.569	27.020
600.0	6.757	34.543	27.113
700.0	6.165	34.534	27.185
800.0	5.565	34.534	27.260
900.0	5.062	34.546	27.330
1000.0	4.631	34.555	27.386
1100.0	4.228	34.563	27.436
1200.0	3.737	34.580	27.501
1300.0	3.510	34.587	27.529
1400.0	3.262	34.597	27.561
1500.0	2.969	34.610	27.599

STATION PC5016 : 27 43.9 N 111 50.9 W 13/ 5/84 822Z 1505/1577m

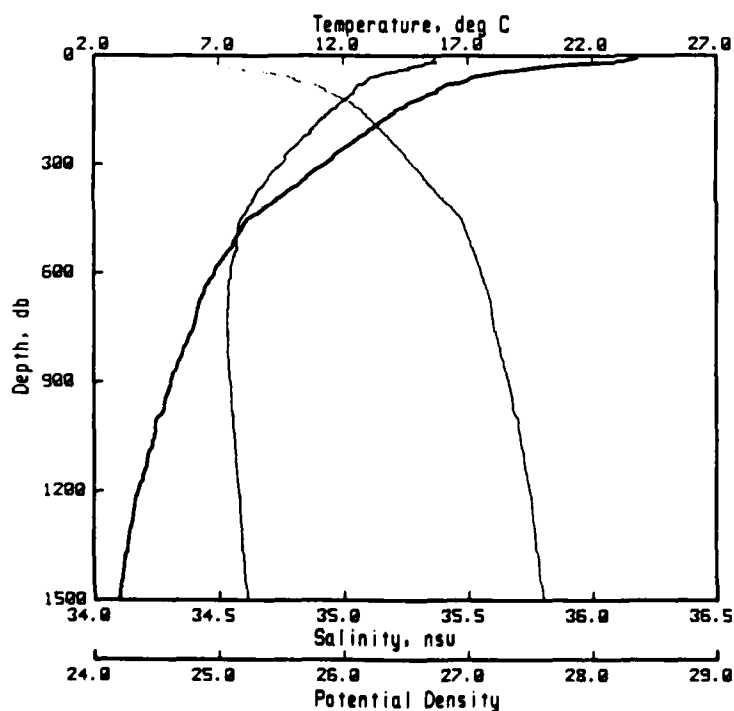
Day: 134.35 SST: 23.5 Tdry: none RH: none Wspd: 7.5 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -19.9km 115.0km
 Y1-8



PR	THETA	SA	SGTH
10.0	21.070	35.295	24.718
20.0	19.830	35.270	25.031
30.0	18.845	35.203	25.234
40.0	18.136	35.167	25.385
50.0	17.572	35.130	25.495
60.0	17.027	35.097	25.600
70.0	16.126	35.062	25.784
80.0	15.681	35.028	25.860
90.0	15.489	35.020	25.897
100.0	15.328	35.024	25.936
120.0	14.791	34.992	26.030
140.0	14.235	34.963	26.127
160.0	13.734	34.924	26.202
180.0	13.377	34.893	26.252
200.0	12.950	34.860	26.313
300.0	11.224	34.746	26.556
400.0	9.284	34.635	26.806
500.0	7.743	34.569	26.994
600.0	6.816	34.543	27.105
700.0	6.151	34.534	27.187
800.0	5.576	34.532	27.257
900.0	5.109	34.544	27.323
1000.0	4.599	34.554	27.389
1100.0	4.211	34.564	27.439
1200.0	3.856	34.574	27.484
1300.0	3.532	34.586	27.526
1400.0	3.308	34.596	27.556
1500.0	2.985	34.609	27.596

STATION PC5017 : 27 44.2 N 111 51.2 W 13/ 5/84 928Z 1494/1570m

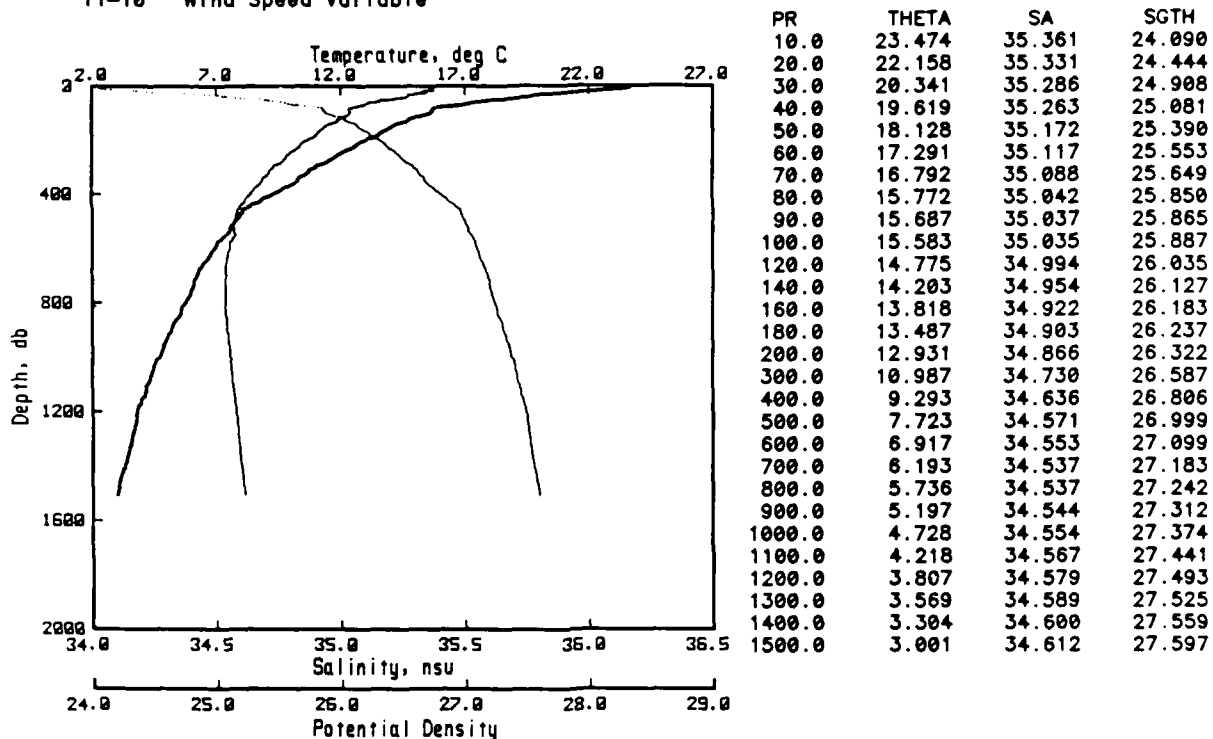
Day: 134.39 SST: 23.9 Tdry: none RH: none Wspd: 7.0 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -20.0km 115.7km
 Y1-9



PR	THETA	SA	SGTH
10.0	23.617	35.366	24.052
20.0	22.129	35.329	24.451
30.0	19.960	35.276	25.001
40.0	18.998	35.218	25.207
50.0	17.900	35.157	25.435
60.0	17.176	35.106	25.572
70.0	16.895	35.097	25.632
80.0	16.155	35.053	25.771
90.0	15.816	35.044	25.842
100.0	15.725	35.042	25.861
120.0	15.001	35.006	25.995
140.0	14.452	34.972	26.088
160.0	13.938	34.940	26.172
180.0	13.514	34.903	26.232
200.0	13.185	34.878	26.279
300.0	11.238	34.750	26.557
400.0	9.289	34.637	26.807
500.0	7.716	34.572	27.000
600.0	6.827	34.548	27.108
700.0	6.130	34.536	27.191
800.0	5.663	34.539	27.252
900.0	5.097	34.546	27.326
1000.0	4.527	34.558	27.400
1100.0	4.163	34.568	27.447
1200.0	3.765	34.581	27.499
1300.0	3.486	34.592	27.535
1400.0	3.208	34.603	27.571

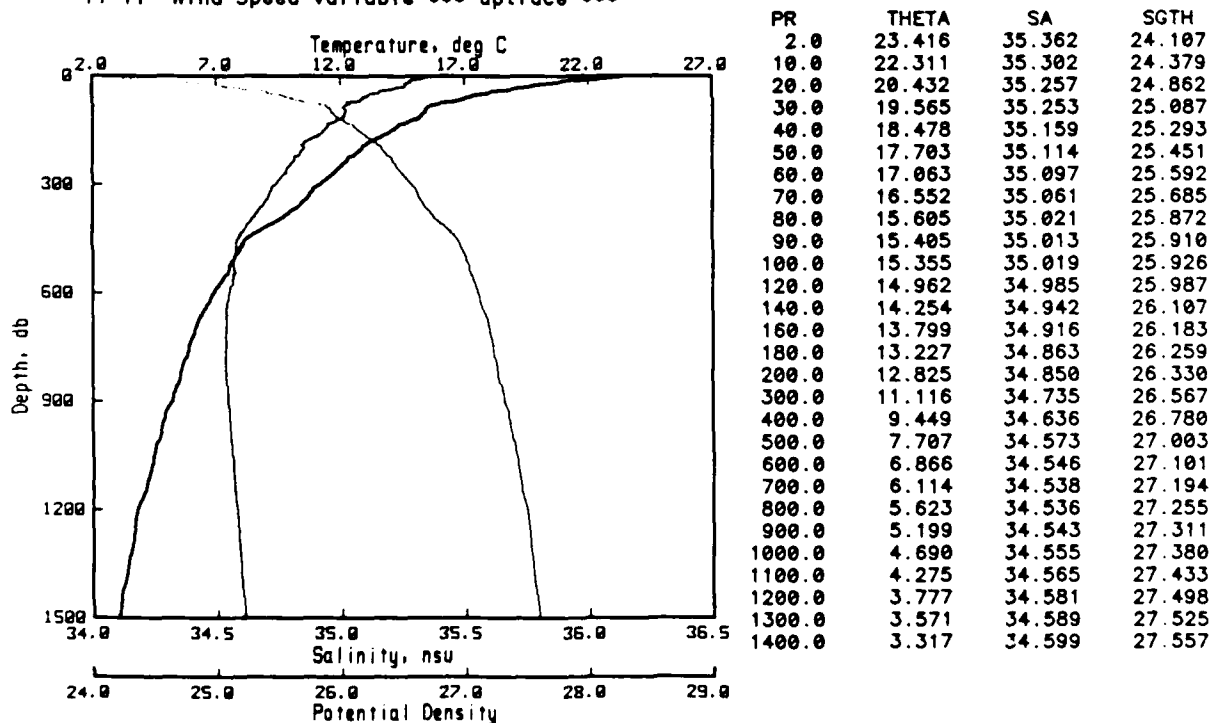
STATION PC5018 : 27 44.4 N 111 51.3 W 13/ 5/84 1038Z 1505/1584m

Day: 134.44 SST: 23.7 Tdry: none RH: none Wspd: 3.0 CTD #: 2
 28 Feb 86 ANC T:SHIP POS:SHL Gulf Co-ords: -19.9km 116.2km
 Y1-10 Wind Speed Variable



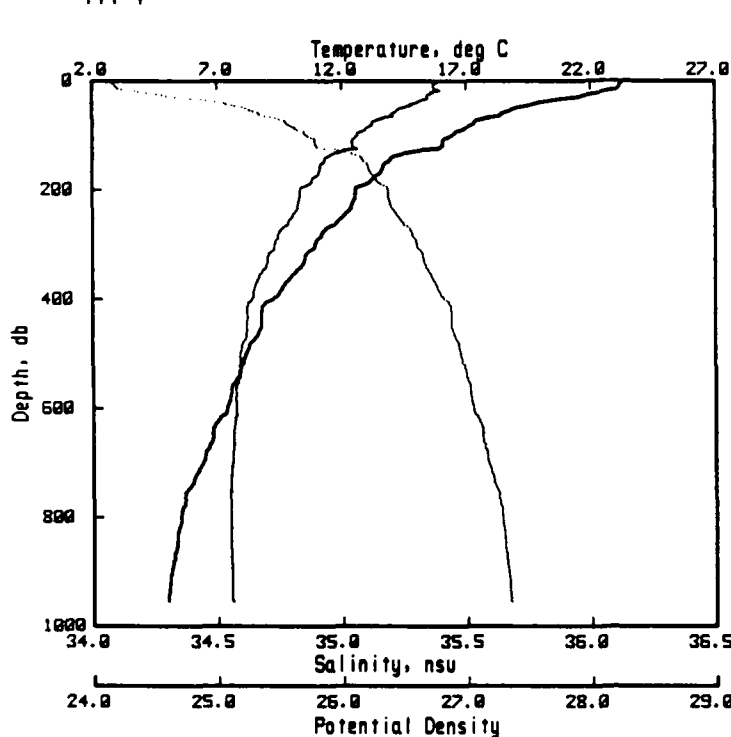
STATION PC5019 : 27 42.1 N 111 48.4 W 13/ 5/84 1156Z 1498/1613m

Day: 134.50 SST: 23.4 Tdry: none RH: none Wspd: 8.0 CTD #: 2
 26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -18.6km 109.9km
 Y1-11 Wind Speed variable *** uptrace ***



STATION PC5020 : 27 54.1 N 112 .1 W 13/ 5/84 1515Z 954/1145m

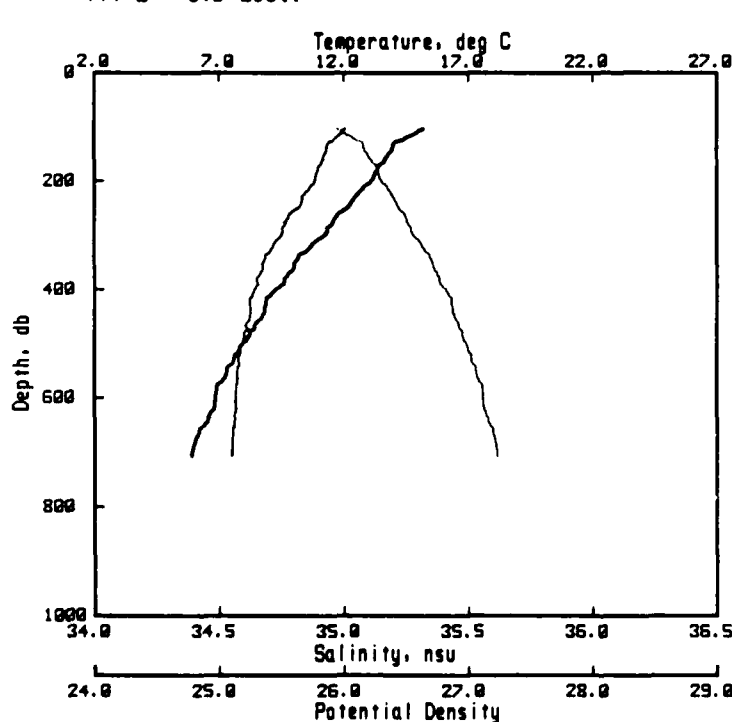
Day: 134.64 SST: 23.9 Tdry: none RH: none Wspd: 6.0 CTD #: 2
26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -21.0km 139.1km
TY1-1



PR	THETA	SA	SGTH
10.0	23.140	35.368	24.192
20.0	22.482	35.359	24.374
30.0	21.387	35.345	24.670
40.0	19.817	35.302	25.059
50.0	18.928	35.234	25.237
60.0	18.408	35.200	25.342
70.0	17.607	35.151	25.502
80.0	17.228	35.122	25.572
90.0	16.811	35.092	25.648
100.0	16.392	35.060	25.721
120.0	16.007	35.047	25.800
140.0	13.980	34.934	26.159
160.0	13.639	34.914	26.214
180.0	13.215	34.882	26.277
200.0	12.558	34.834	26.371
300.0	10.909	34.728	26.599
400.0	9.208	34.637	26.820
500.0	8.148	34.591	26.951
600.0	7.375	34.574	27.051
700.0	6.392	34.559	27.175
800.0	5.503	34.549	27.280
900.0	5.109	34.553	27.330

STATION PC5021 : 27 57.1 N 112 2.4 W 13/ 5/84 1612Z 708/ 838m

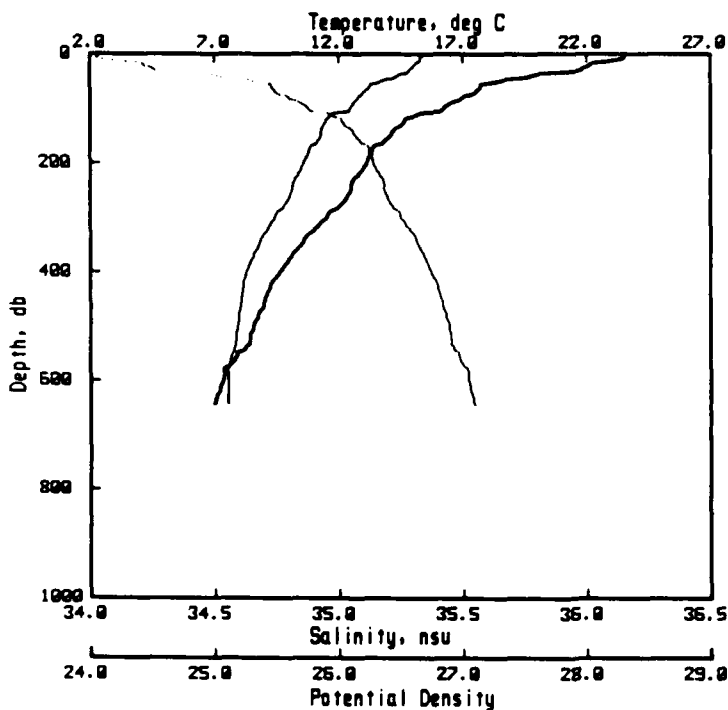
Day: 134.68 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 2
05 JUN 86 ACC POS:SHIP Gulf Co-ords: -20.8km 145.9km
TY1-2 CTD Lost.



PR	THETA	SA	SGTH
120.0	14.480	34.965	26.076
140.0	13.947	34.933	26.165
160.0	13.633	34.916	26.217
180.0	13.323	34.896	26.265
200.0	13.090	34.880	26.300
300.0	11.208	34.748	26.561
400.0	9.224	34.639	26.819
500.0	7.930	34.592	26.984
600.0	6.853	34.568	27.120
700.0	5.910	34.550	27.230

STATION PC5022 : 27 56.5 N 111 58.3 W 14/ 5/84 400Z 656/ 744m

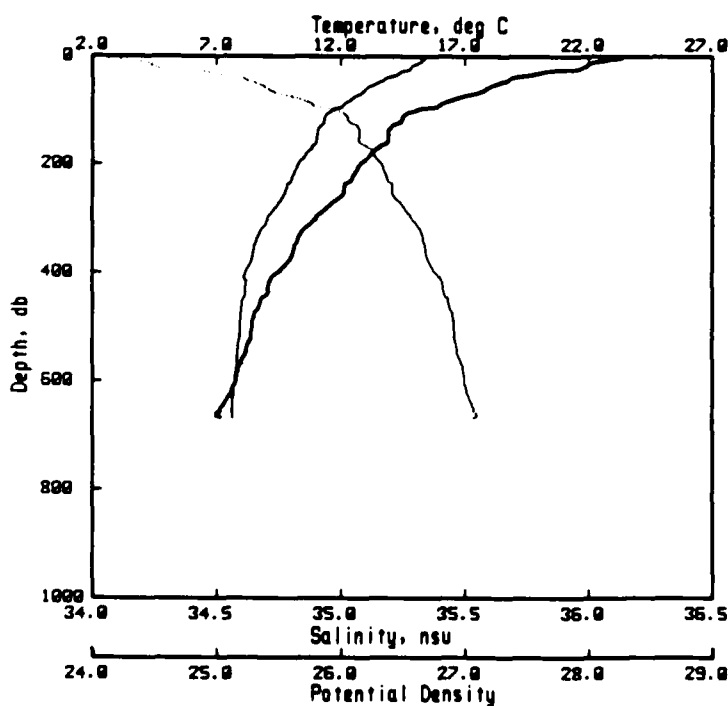
Day: 135.17 SST: 23.0 Tdry: none RH: none Wspd: 6.0 CTD #: 1
26 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -16.0km 141.0km
TY1-3



PR	THETA	SA	SGTH
2.0	23.479	35.331	24.066
10.0	23.338	35.330	24.106
20.0	22.128	35.304	24.432
30.0	21.755	35.285	24.522
40.0	19.754	35.238	25.027
50.0	18.428	35.170	25.314
60.0	17.698	35.123	25.459
70.0	17.504	35.102	25.490
80.0	16.967	35.077	25.599
90.0	16.488	35.058	25.697
100.0	16.200	35.044	25.754
120.0	14.652	34.949	26.027
140.0	14.201	34.932	26.110
160.0	13.822	34.914	26.176
180.0	13.352	34.880	26.247
200.0	13.107	34.857	26.279
300.0	11.508	34.742	26.501
400.0	9.607	34.627	26.747
500.0	8.557	34.591	26.888
600.0	7.323	34.554	27.043

STATION PC5023 : 27 57.2 N 111 58.1 W 14/ 5/84 530Z 670/ 706m

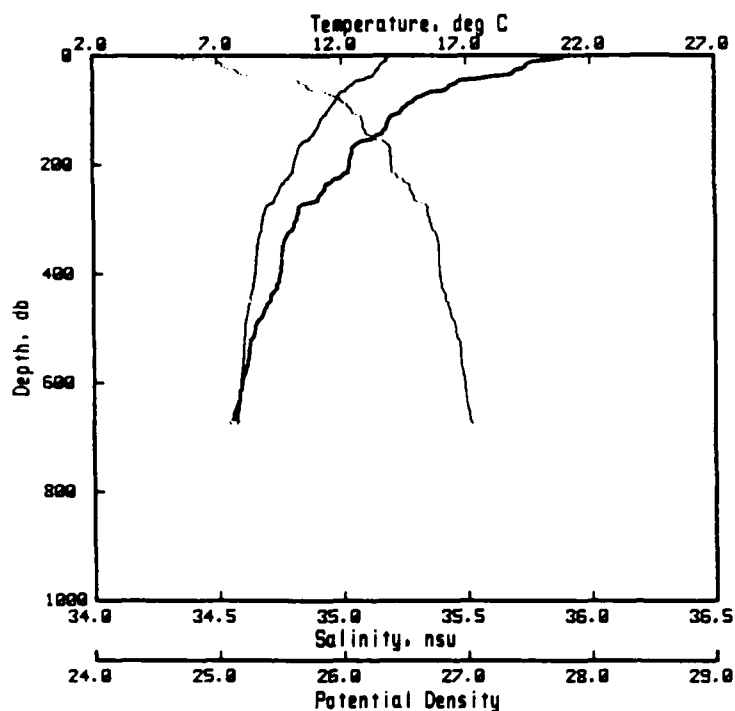
Day: 135.23 SST: 23.5 Tdry: none RH: none Wspd: 9.0 CTD #: 1
9 JULY 86 NAB POS:SATNAV Gulf Co-ords: -15.0km 141.8km
TY-1



PR	THETA	SA	SGTH
2.0	23.321	35.337	24.116
10.0	22.312	35.324	24.396
20.0	21.776	35.286	24.517
30.0	20.083	35.242	24.943
40.0	18.852	35.182	25.216
50.0	18.351	35.143	25.313
60.0	17.806	35.101	25.415
70.0	17.310	35.079	25.519
80.0	16.529	35.039	25.673
90.0	15.981	35.007	25.776
100.0	15.038	34.961	25.952
120.0	14.425	34.933	26.063
140.0	13.921	34.906	26.149
160.0	13.882	34.901	26.154
180.0	13.184	34.859	26.265
200.0	12.754	34.829	26.328
300.0	10.996	34.706	26.567
400.0	9.443	34.616	26.765
500.0	8.425	34.594	26.911
600.0	7.753	34.573	26.996

STATION PC5024 : 28 11.1 N 112 23.8 W 14/ 5/84 1145Z 679/ 706m

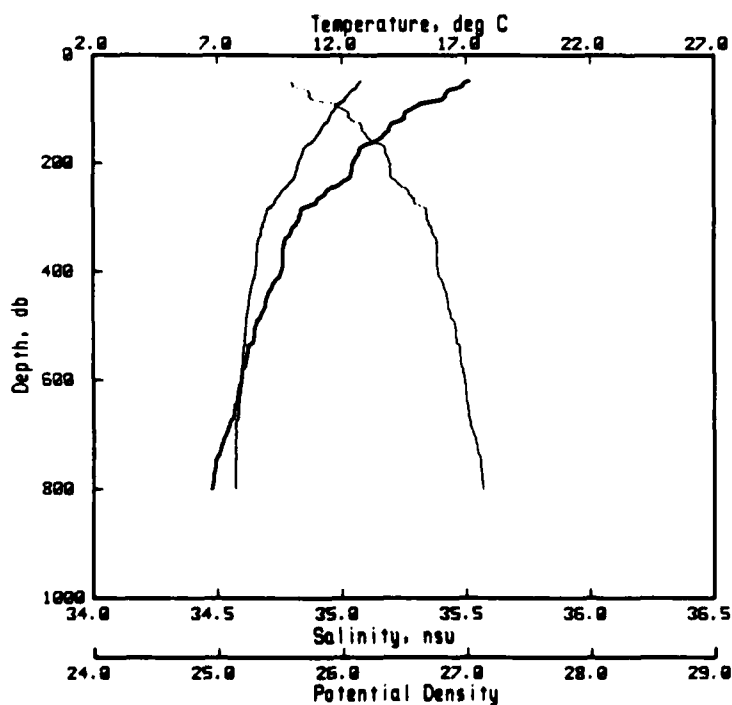
Day: 135.49 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
27 FEB 86 ANC POS:SHL Gulf Co-ords: -33.9km 187.4km
Y2-1



PR	THETA	SA	SGTH
2.0	20.887	35.186	24.685
10.0	19.838	35.179	24.960
20.0	19.434	35.155	25.047
30.0	18.899	35.135	25.169
40.0	17.761	35.102	25.427
50.0	16.610	35.049	25.662
60.0	16.209	35.020	25.733
70.0	15.375	34.992	25.901
80.0	14.921	34.978	25.990
90.0	14.607	34.960	26.045
100.0	14.394	34.945	26.079
120.0	13.864	34.914	26.168
140.0	13.645	34.893	26.197
160.0	12.668	34.846	26.358
180.0	12.396	34.821	26.392
200.0	12.318	34.809	26.398
300.0	10.131	34.680	26.699
400.0	9.489	34.646	26.781
500.0	8.493	34.608	26.911
600.0	7.950	34.591	26.981

STATION PC5025 : 28 11.7 N 112 23.9 W 14/ 5/84 1220Z 803/ 809m

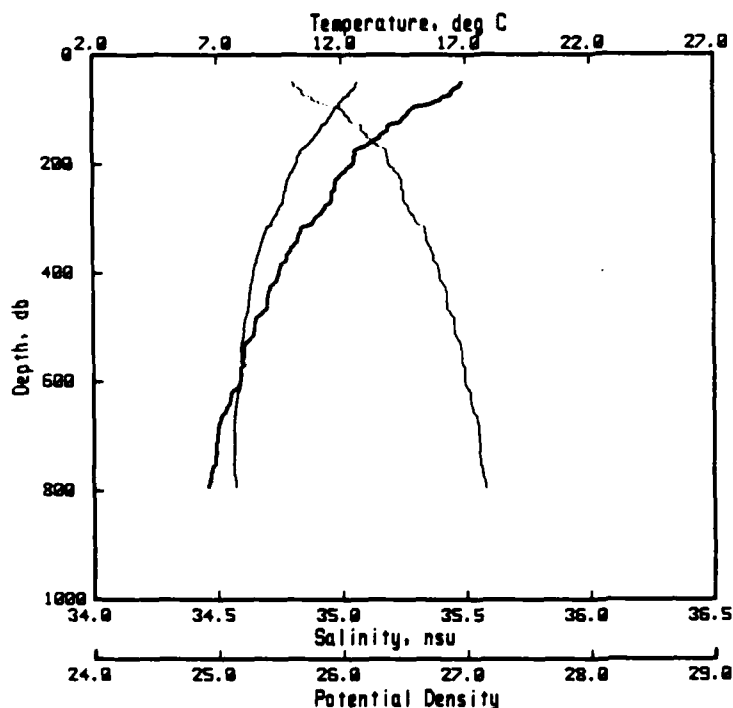
Day: 135.51 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
27 FEB 86 ANC POS:CONSOLE Gulf Co-ords: -33.4km 188.4km
Y2-2



PR	THETA	SA	SGTH
50.0	16.952	35.072	25.599
60.0	16.709	35.058	25.646
70.0	16.200	35.031	25.744
80.0	16.083	35.013	25.757
90.0	15.112	34.985	25.954
100.0	14.800	34.974	26.014
120.0	14.406	34.946	26.077
140.0	13.880	34.913	26.163
160.0	13.297	34.880	26.258
180.0	12.688	34.842	26.351
200.0	12.443	34.826	26.387
300.0	10.273	34.691	26.683
400.0	9.561	34.652	26.774
500.0	8.511	34.612	26.912
600.0	7.937	34.594	26.985
700.0	7.317	34.572	27.058
800.0	6.770	34.571	27.133

STATION PC5026 : 28 11.7 N 112 23.9 W 14/ 5/84 1253Z 796/ 882m

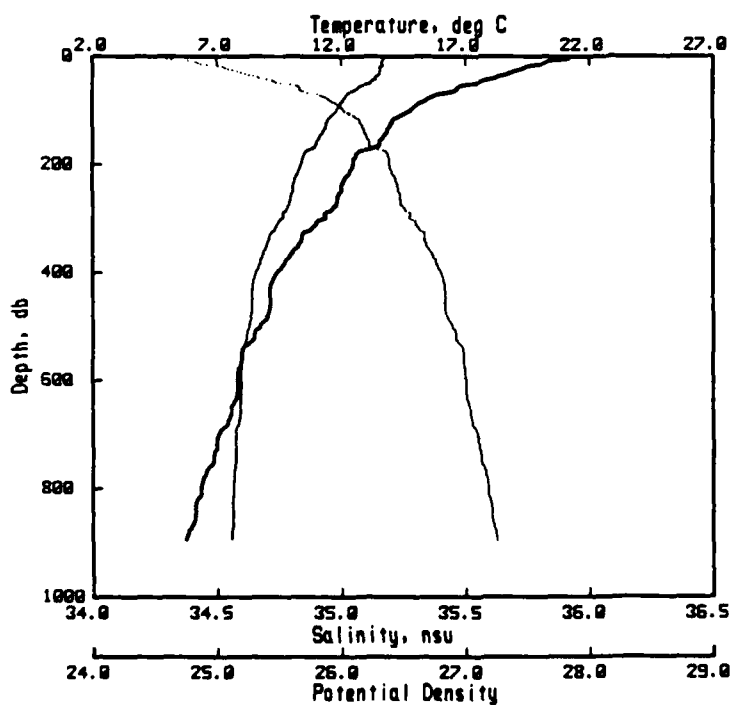
Day: 135.54 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 27 FEB 86 ANC POS:CONSOLE Gulf Co-ords: -33.4km 188.4km
 Y2-3



PR	THETA	SA	SGTH
50.0	16.870	35.067	25.615
60.0	16.651	35.056	25.658
70.0	16.440	35.038	25.693
80.0	16.015	35.007	25.768
90.0	15.549	34.992	25.862
100.0	14.809	34.973	26.011
120.0	14.436	34.947	26.072
140.0	13.807	34.915	26.180
160.0	13.252	34.877	26.265
180.0	12.571	34.834	26.368
200.0	12.432	34.817	26.382
300.0	10.951	34.728	26.592
400.0	9.469	34.645	26.784
500.0	8.499	34.606	26.909
600.0	7.890	34.590	26.989
700.0	6.971	34.566	27.102

STATION PC5027 : 28 11.7 N 112 23.9 W 14/ 5/84 1325Z 898/ 955m

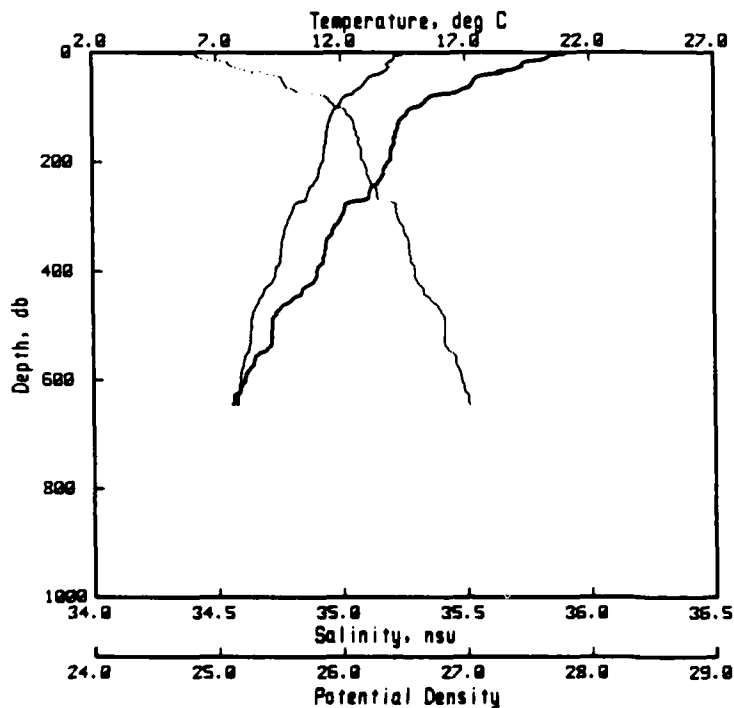
Day: 135.56 SST: 21.4 Tdry: none RH: none Wspd: 3.0 CTD #: 1
 26 FEB 86 ANC T:SHIP POS:CON Gulf Co-ords: -33.4km 188.4km
 Y2-4



PR	THETA	SA	SGTH
2.0	21.121	35.175	24.614
10.0	20.287	35.162	24.828
20.0	19.422	35.155	25.050
30.0	18.843	35.154	25.197
40.0	18.209	35.135	25.342
50.0	17.442	35.118	25.517
60.0	16.647	35.064	25.665
70.0	15.873	35.022	25.812
80.0	15.425	35.008	25.902
90.0	15.038	34.994	25.977
100.0	14.810	34.982	26.018
120.0	14.057	34.945	26.151
140.0	13.845	34.926	26.181
160.0	13.537	34.900	26.224
180.0	12.612	34.853	26.375
200.0	12.492	34.839	26.388
300.0	11.308	34.761	26.552
400.0	9.395	34.657	26.805
500.0	8.722	34.627	26.890
600.0	7.834	34.598	27.003
700.0	7.050	34.576	27.099
800.0	6.366	34.567	27.184

STATION PC5028 : 28 11.7 N 112 23.9 W 14/ 5/84 1448Z 652/ 717m

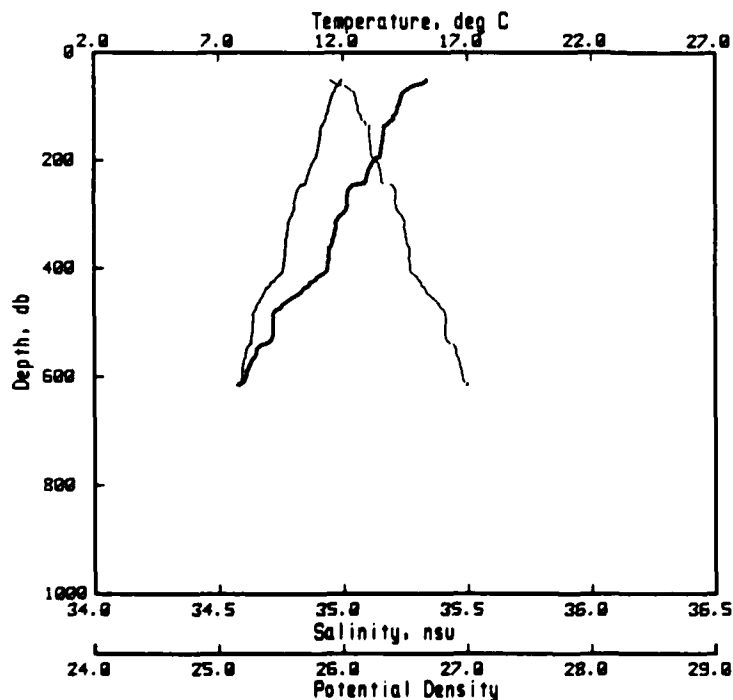
Day: 135.62 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
27 FEB 86 ANC POS:SHL Gulf Co-ords: -33.4km 188.4km
Y2-5



PR	THETA	SA	SGTH
2.0	21.042	35.221	24.670
10.0	20.309	35.215	24.863
20.0	19.321	35.186	25.099
30.0	18.960	35.184	25.191
40.0	17.984	35.153	25.411
50.0	17.350	35.103	25.528
60.0	17.209	35.088	25.550
70.0	16.766	35.058	25.632
80.0	15.587	35.014	25.870
90.0	15.366	35.000	25.909
100.0	14.924	34.988	25.998
120.0	14.411	34.957	26.085
140.0	14.253	34.945	26.109
160.0	14.091	34.936	26.137
180.0	13.968	34.928	26.156
200.0	13.841	34.921	26.178
300.0	11.989	34.791	26.448
400.0	10.999	34.734	26.588
500.0	9.172	34.634	26.824
600.0	8.095	34.591	26.959

STATION PC5029 : 28 13.3 N 112 24.6 W 14/ 5/84 1530Z 621/ 700m

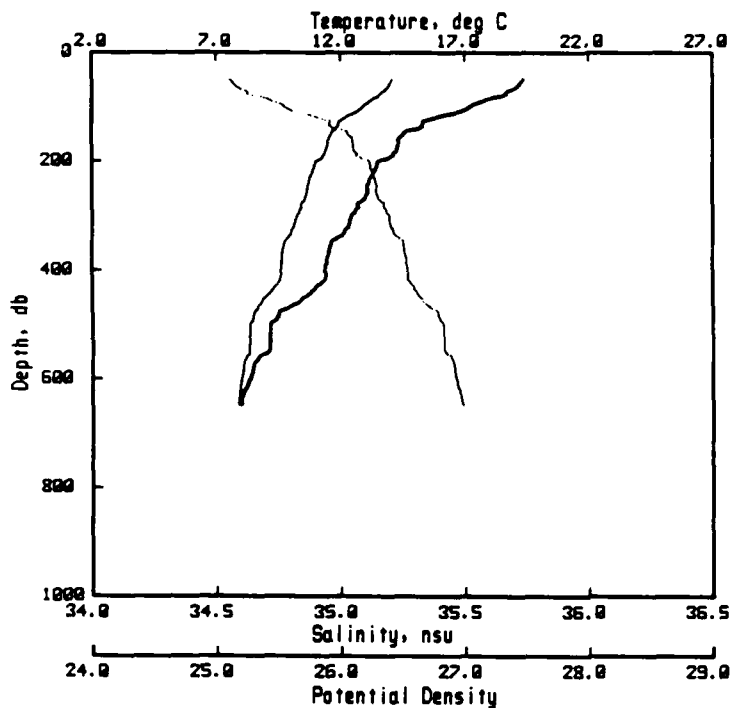
Day: 135.65 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
27 FEB 86 ANC POS:SHL Gulf Co-ords: -32.5km 191.4km
Y2-6



PR	THETA	SA	SGTH
50.0	15.372	34.995	25.904
60.0	14.965	34.986	25.987
70.0	14.537	34.967	26.066
80.0	14.341	34.958	26.101
90.0	14.284	34.950	26.107
100.0	14.186	34.944	26.123
120.0	14.020	34.932	26.149
140.0	13.636	34.912	26.213
160.0	13.602	34.907	26.216
180.0	13.536	34.899	26.224
200.0	13.236	34.884	26.274
300.0	11.938	34.796	26.461
400.0	11.354	34.759	26.542
500.0	9.188	34.637	26.824
600.0	8.095	34.594	26.961

STATION PC5030 : 28 13.8 N 112 25.0 W 14/ 5/84 1400Z 650/ 654m

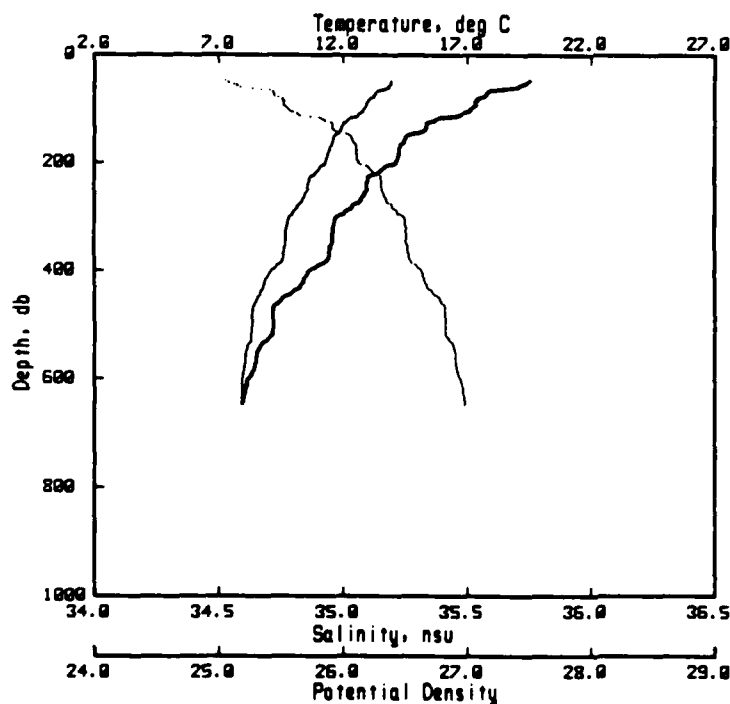
Day: 135.58 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
27 FEB 86 ANC POS:SHL Gulf Co-ords: -32.5km 192.6km
Y2-7



PR	THETA	SA	SGTH
50.0	19.347	35.206	25.108
60.0	19.144	35.195	25.152
70.0	18.750	35.176	25.238
80.0	18.455	35.155	25.296
90.0	17.717	35.117	25.449
100.0	17.212	35.089	25.550
120.0	15.830	35.020	25.820
140.0	15.140	34.983	25.946
160.0	14.339	34.954	26.098
180.0	14.253	34.940	26.106
200.0	13.495	34.900	26.233
300.0	12.424	34.825	26.390
400.0	11.369	34.760	26.540
500.0	9.162	34.635	26.826
600.0	8.344	34.602	26.930

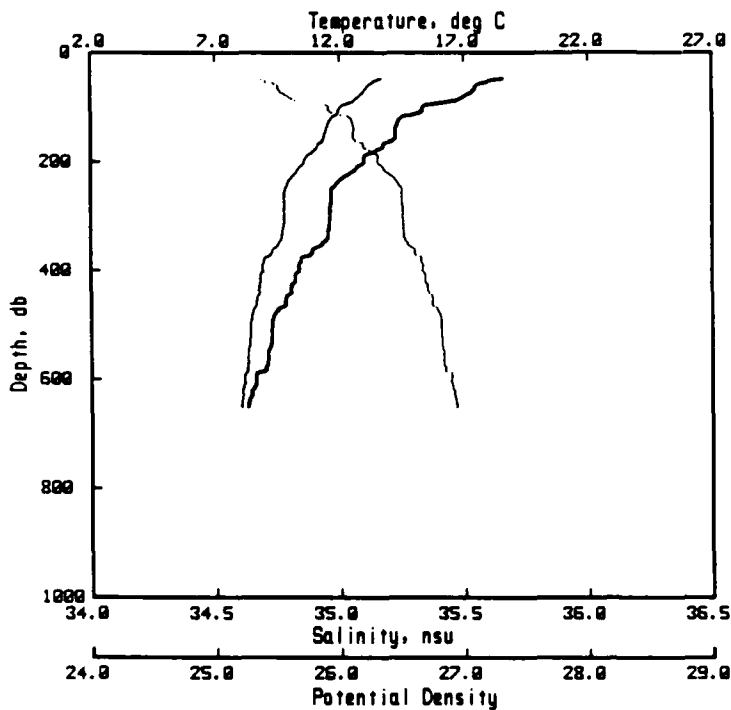
STATION PC5031 : 28 14.0 N 112 25.6 W 14/ 5/84 1627Z 650/ 700m

Day: 135.69 SST: 22.8 Tdry: none RH: none Wspd: 10.0 CTD #: 1
27 FEB 86 ANC POS:CONSOLE Gulf Co-ords: -33.1km 193.5km
Y2-8



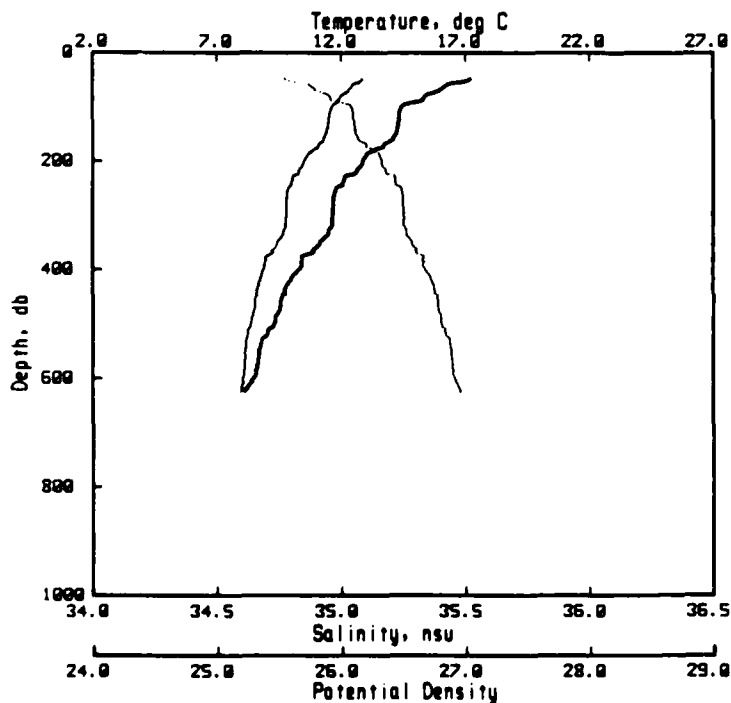
PR	THETA	SA	SGTH
50.0	19.426	35.192	25.077
60.0	19.023	35.186	25.176
70.0	17.796	35.131	25.441
80.0	17.421	35.108	25.514
90.0	17.339	35.095	25.524
100.0	17.149	35.083	25.560
120.0	15.701	35.019	25.848
140.0	15.255	34.989	25.925
160.0	14.441	34.958	26.079
180.0	14.245	34.942	26.109
200.0	14.110	34.926	26.125
300.0	11.739	34.783	26.489
400.0	10.657	34.714	26.634
500.0	9.178	34.634	26.823
600.0	8.183	34.597	26.950

STATION PC5032 : 28 14.4 N 112 25.6 W 14/ 5/84 1655Z 652/ 700m

Day: 135.70 SST: 99.0 Tdry: none RH: none Wspd: 10.0 CTD #: 1
27 FEB 86 ANC POS:CONSOLE Gulf Co-ords: -32.7km 194.0km
Y2-9

PR	THETA	SA	SGTH
50.0	18.128	35.152	25.375
60.0	17.487	35.114	25.503
70.0	17.339	35.099	25.527
80.0	17.024	35.079	25.587
90.0	16.383	35.053	25.718
100.0	15.346	35.002	25.915
120.0	14.425	34.966	26.089
140.0	14.243	34.946	26.112
160.0	14.133	34.930	26.123
180.0	13.416	34.893	26.244
200.0	12.980	34.856	26.304
300.0	11.618	34.777	26.507
400.0	10.374	34.689	26.664
500.0	9.278	34.641	26.812
600.0	8.626	34.616	26.897

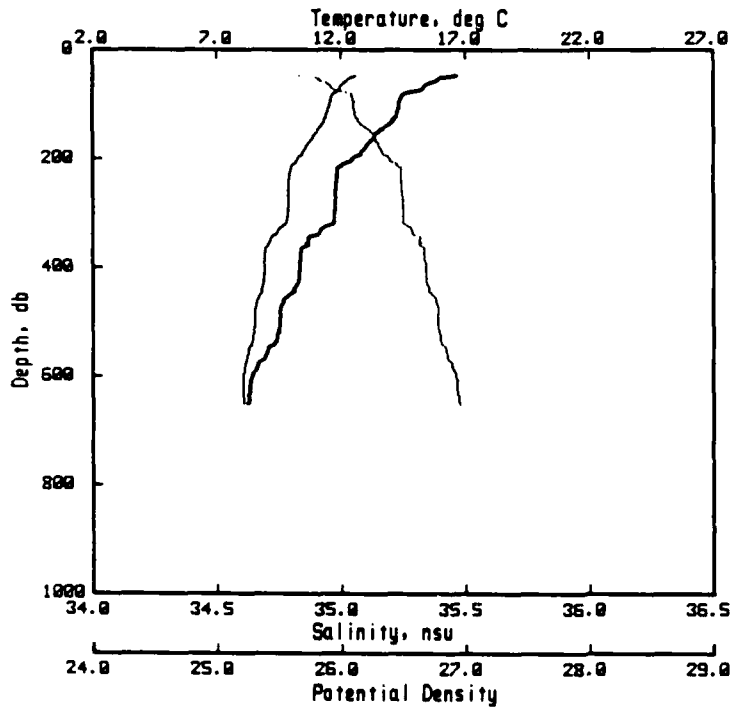
STATION PC5033 : 28 14.8 N 112 27.7 W 14/ 5/84 1722Z 627/ 677m

Day: 135.72 SST: 99.0 Tdry: none RH: none Wspd: 11.5 CTD #: 1
27 FEB 86 ANC POS:SHL Gulf Co-ords: -35.0km 196.7km
Y2-10

PR	THETA	SA	SGTH
50.0	17.175	35.086	25.557
60.0	16.229	35.044	25.747
70.0	15.965	35.030	25.797
80.0	15.358	34.999	25.910
90.0	15.105	34.992	25.961
100.0	14.427	34.964	26.087
120.0	14.322	34.951	26.099
140.0	14.246	34.942	26.109
160.0	14.052	34.927	26.138
180.0	13.283	34.885	26.265
200.0	12.857	34.850	26.324
300.0	11.653	34.779	26.502
400.0	10.273	34.686	26.679
500.0	9.284	34.634	26.806
600.0	8.451	34.602	26.913

STATION PC5034 : 28 15.3 N 112 28.4 W 14/ 5/84 1749Z 651/ 688m

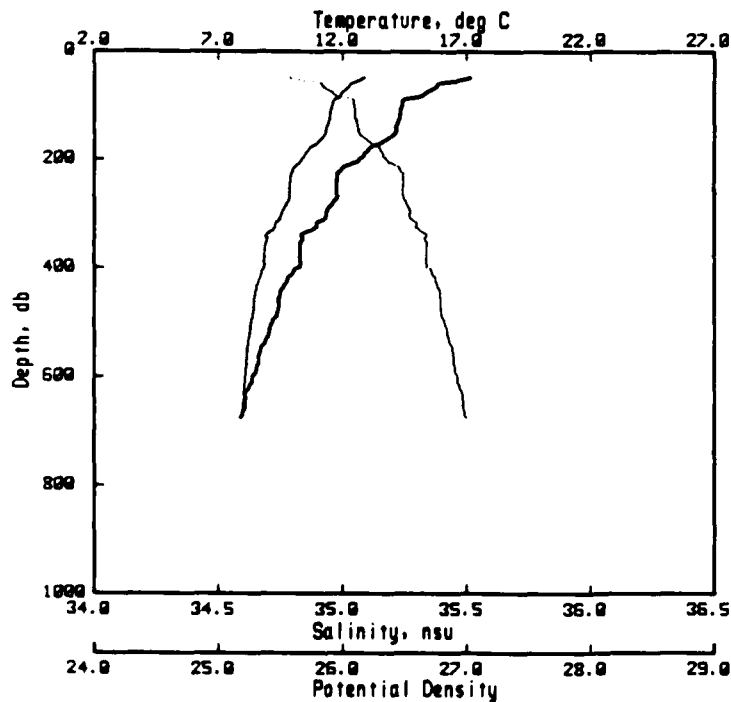
Day: 135.74 SST: 22.0 Tdry: none RH: none Wspd: 9.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -35.4km 198.1km
Y2-11



PR	THETA	SA	SGTH
50.0	16.007	35.041	25.796
60.0	15.548	35.009	25.875
70.0	15.280	34.994	25.924
80.0	14.494	34.970	26.077
90.0	14.365	34.958	26.095
100.0	14.333	34.953	26.098
120.0	14.223	34.940	26.112
140.0	13.798	34.918	26.184
160.0	13.321	34.885	26.257
180.0	12.929	34.855	26.313
200.0	12.428	34.823	26.388
300.0	11.720	34.785	26.494
400.0	10.307	34.689	26.676
500.0	9.525	34.651	26.779
600.0	8.416	34.606	26.922

STATION PC5035 : 28 14.9 N 112 26.3 W 14/ 5/84 1815Z 676/ 717m

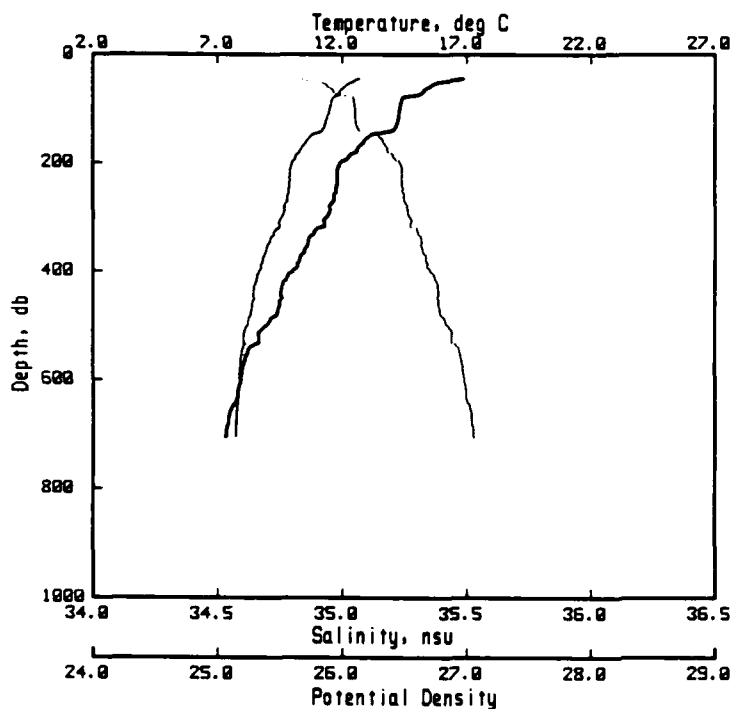
Day: 135.76 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
27 FEB 86 ANC POS:CONSOLE Gulf Co-ords: -33.1km 195.4km
Y2-12



PR	THETA	SA	SGTH
50.0	17.022	35.075	25.585
60.0	15.806	35.030	25.833
70.0	15.587	35.013	25.869
80.0	15.227	34.992	25.934
90.0	14.416	34.964	26.089
100.0	14.382	34.958	26.092
120.0	14.308	34.948	26.100
140.0	14.151	34.937	26.125
160.0	13.816	34.915	26.178
180.0	13.041	34.865	26.299
200.0	12.644	34.834	26.354
300.0	11.340	34.753	26.540
400.0	10.133	34.684	26.702
500.0	9.170	34.633	26.823
600.0	8.383	34.607	26.928

STATION PC5036 : 28 16.2 N 112 28.7 W 14/ 5/84 1843Z 705/ 750m

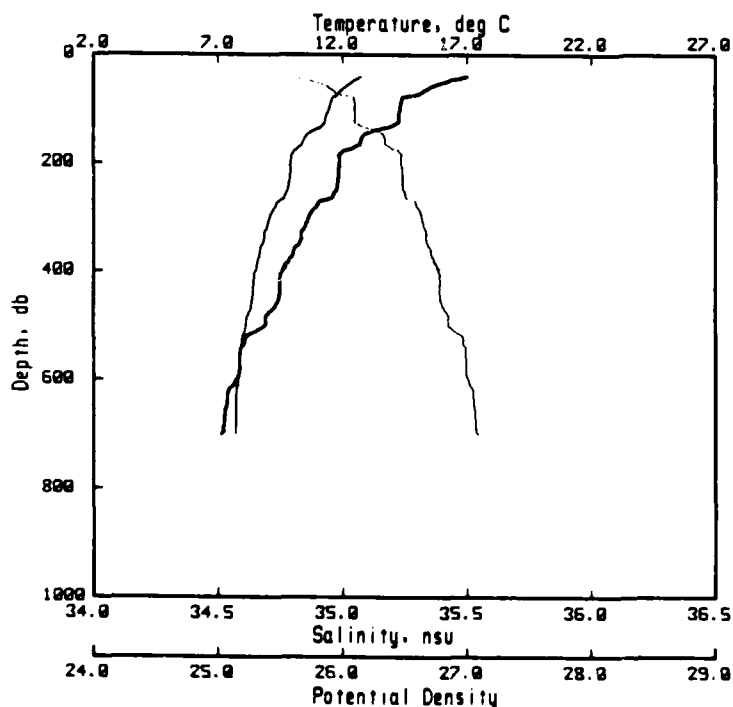
Day: 135.78 SST: 99.0 Tdry: none RH: none Wspd: 7.0 CTD #: 1
05 JUN 86 POS & T:SHIP Gulf Co-ords: -34.9km 199.7km
Y2-13 POS & T :SHIP



PR	THETA	SA	SGTH
50.0	15.912	35.041	25.817
60.0	15.485	35.008	25.889
70.0	15.213	34.988	25.934
80.0	14.395	34.960	26.091
90.0	14.344	34.955	26.098
100.0	14.304	34.950	26.102
120.0	14.234	34.937	26.107
140.0	14.026	34.921	26.139
160.0	12.866	34.856	26.327
180.0	12.534	34.830	26.372
200.0	11.918	34.799	26.467
300.0	11.331	34.756	26.544
400.0	10.009	34.668	26.711
500.0	8.958	34.620	26.847
600.0	7.933	34.589	26.982
700.0	7.341	34.573	27.055

STATION PC5037 : 28 16.5 N 112 29.1 W 14/ 5/84 1911Z 701/ 757m

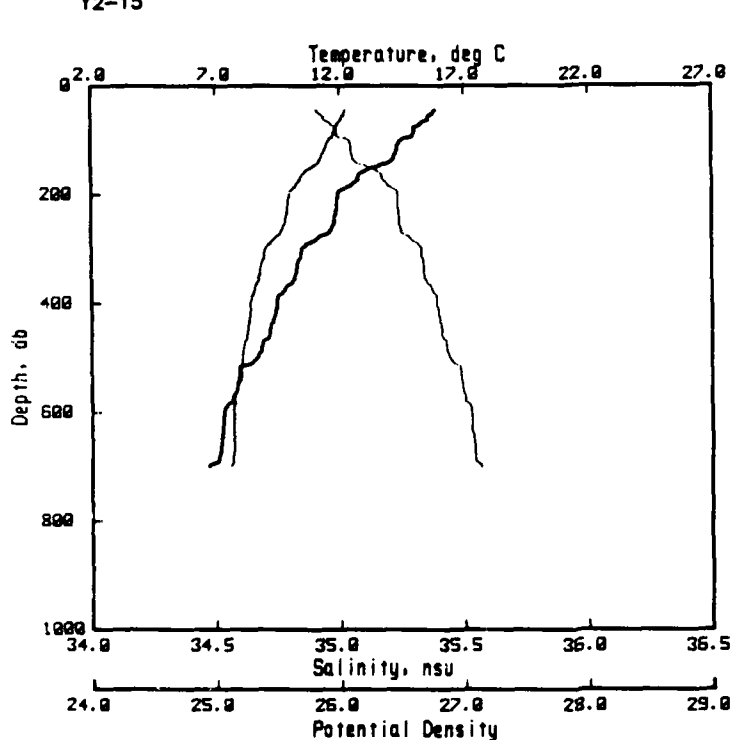
Day: 135.80 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
27 FEB 86 ANC POS:SHL Gulf Co-ords: -35.0km 200.5km
Y2-14



PR	THETA	SA	SGTH
40.0	16.997	35.073	25.589
50.0	16.126	35.039	25.767
60.0	15.488	35.007	25.887
70.0	15.162	34.986	25.944
80.0	14.387	34.958	26.091
90.0	14.330	34.951	26.098
100.0	14.300	34.945	26.099
120.0	14.244	34.930	26.100
140.0	13.229	34.882	26.274
160.0	12.725	34.840	26.342
180.0	11.986	34.801	26.456
200.0	11.876	34.791	26.469
300.0	10.634	34.707	26.632
400.0	9.597	34.651	26.767
500.0	8.879	34.612	26.854
600.0	7.702	34.560	27.009
700.0	7.116	34.569	27.084

STATION PC5038 : 28 17.0 N 112 29.7 W 14/ 5/84 1938Z 702/ 809m

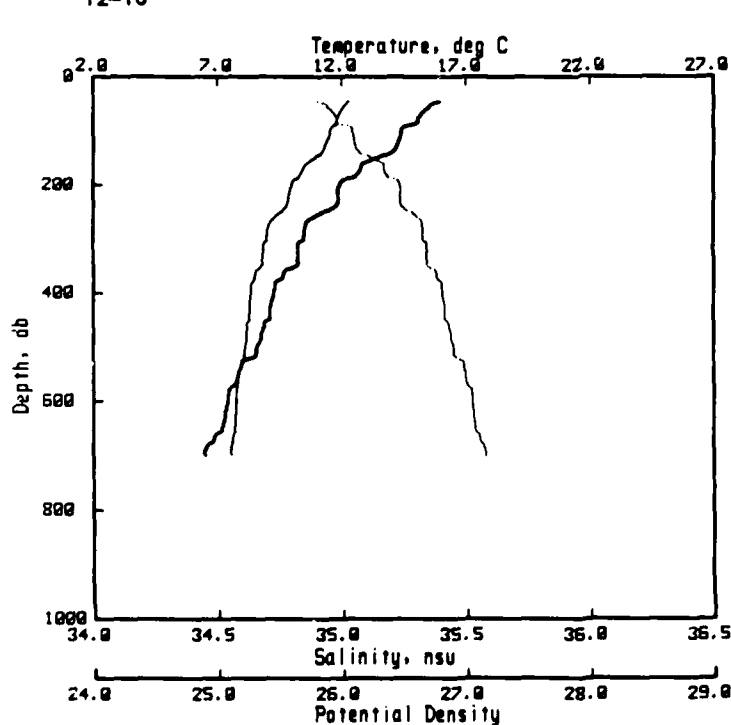
Day: 135.82 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 27 FEB 86 ANC POS:SHL Gulf Co-ords: -35.2km 201.9km
 Y2-15



PR	THETA	SA	SGTH
50.0	15.768	35.020	25.834
60.0	15.565	35.006	25.869
70.0	15.244	34.992	25.930
80.0	14.997	34.980	25.975
90.0	14.954	34.975	25.981
100.0	14.471	34.958	26.073
120.0	14.293	34.938	26.095
140.0	14.038	34.919	26.135
160.0	12.869	34.857	26.327
180.0	12.479	34.824	26.378
200.0	11.930	34.797	26.464
300.0	10.458	34.698	26.656
400.0	9.468	34.641	26.781
500.0	8.657	34.608	26.886
600.0	7.314	34.570	27.057
700.0	6.706	34.559	27.133

STATION PC5039 : 28 17.2 N 112 29.9 W 14/ 5/84 2008Z 700/ 809m

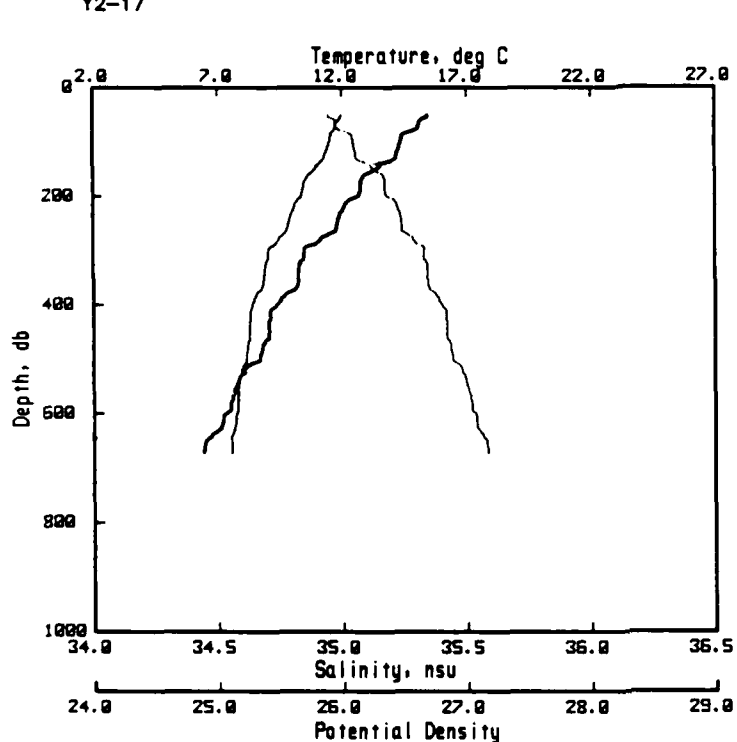
Day: 135.84 SST: 22.7 Tdry: none RH: none Wspd: 4.0 CTD #: 1
 27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -35.3km 202.4km
 Y2-16



PR	THETA	SA	SGTH
50.0	15.622	35.017	25.865
60.0	15.369	34.998	25.907
70.0	15.164	34.987	25.944
80.0	15.054	34.979	25.962
90.0	14.810	34.969	26.051
100.0	14.391	34.954	26.087
120.0	14.268	34.939	26.101
140.0	14.001	34.918	26.142
160.0	12.821	34.858	26.337
180.0	12.601	34.833	26.362
200.0	11.920	34.799	26.467
300.0	10.478	34.700	26.654
400.0	9.259	34.634	26.810
500.0	8.578	34.611	26.900
600.0	7.393	34.573	27.048
700.0	6.488	34.554	27.158

STATION PC5040 : 28 17.7 N 112 30.5 W 14/ 5/84 2036Z 672/ 772m

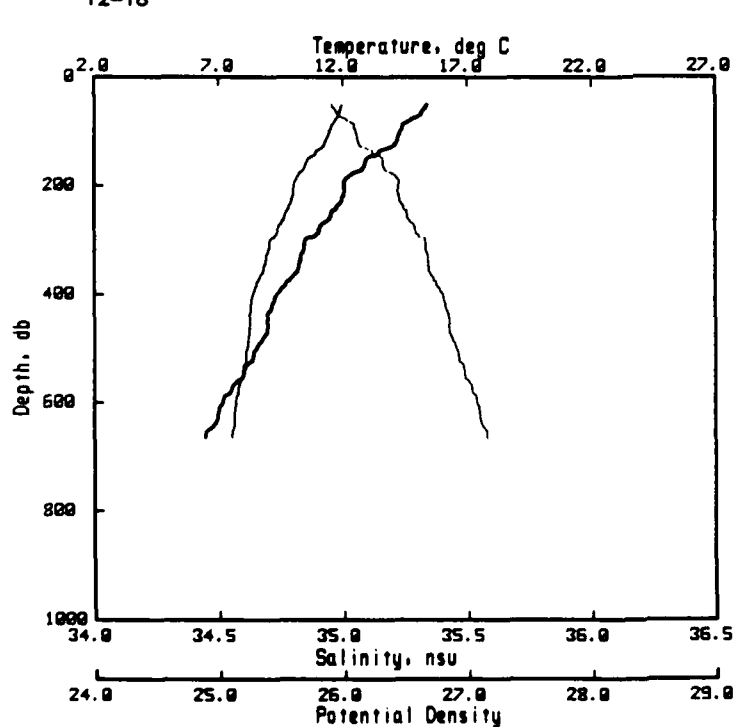
Day: 135.86 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 27 FEB 86 ANC POS:SHL Gulf Co-ords: -35.5km 203.7km
 Y2-17



PR	THETA	SA	SGTH
50.0	15.422	34.997	25.894
60.0	15.147	34.988	25.948
70.0	15.078	34.973	25.952
80.0	14.721	34.966	26.025
90.0	14.402	34.955	26.085
100.0	14.358	34.950	26.091
120.0	14.206	34.934	26.111
140.0	13.412	34.907	26.256
160.0	12.878	34.862	26.329
180.0	12.735	34.844	26.344
200.0	12.604	34.834	26.362
300.0	10.476	34.705	26.659
400.0	9.346	34.637	26.798
500.0	8.684	34.613	26.885
600.0	7.263	34.574	27.067

STATION PC5041 : 28 17.9 N 112 30.7 W 14/ 5/84 2103Z 667/ 772m

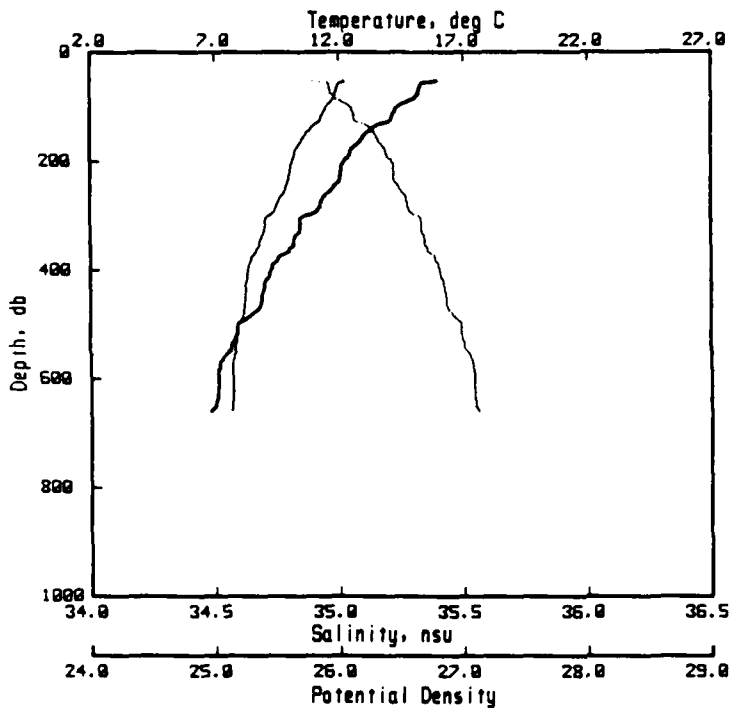
Day: 135.88 SST: 26.5 Tdry: none RH: none Wspd: 8.0 CTD #: 1
 27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -35.6km 204.2km
 Y2-18



PR	THETA	SA	SGTH
50.0	15.347	34.996	25.910
60.0	15.187	34.988	25.940
70.0	15.068	34.983	25.962
80.0	14.676	34.968	26.036
90.0	14.370	34.953	26.091
100.0	14.274	34.945	26.105
120.0	14.134	34.928	26.122
140.0	13.437	34.890	26.237
160.0	12.880	34.850	26.319
180.0	12.263	34.821	26.418
200.0	12.039	34.804	26.448
300.0	10.464	34.706	26.661
400.0	9.325	34.638	26.802
500.0	8.516	34.613	26.912
600.0	7.152	34.569	27.079

STATION PC5042 : 28 18.5 N 112 31.3 W 14/ 5/84 2131Z 660/ 721m

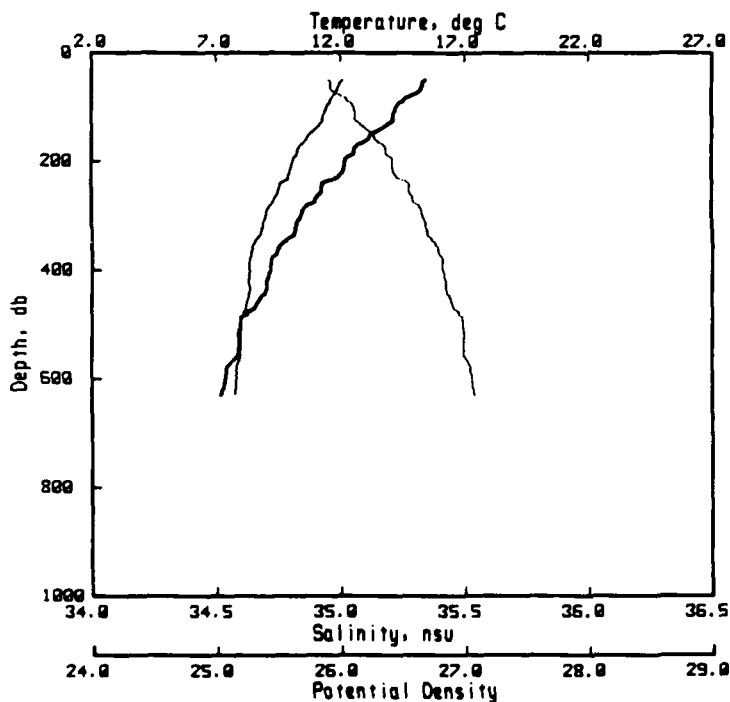
Day: 135.90 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 27 FEB 86 ANC POS:SHL Gulf Co-ords: -35.7km 205.6km
 Y2-19



PR	THETA	SA	SGTH
60.0	15.295	34.998	25.923
70.0	15.238	34.992	25.931
80.0	15.095	34.982	25.955
90.0	14.758	34.967	26.018
100.0	14.348	34.950	26.093
120.0	14.120	34.928	26.125
140.0	13.360	34.887	26.251
160.0	12.885	34.852	26.320
180.0	12.500	34.826	26.376
200.0	12.205	34.812	26.423
300.0	10.613	34.719	26.645
400.0	9.254	34.634	26.810
500.0	7.935	34.596	26.987
600.0	7.111	34.571	27.086

STATION PC5043 : 28 18.8 N 112 31.3 W 14/ 5/84 2159Z 632/ 721m

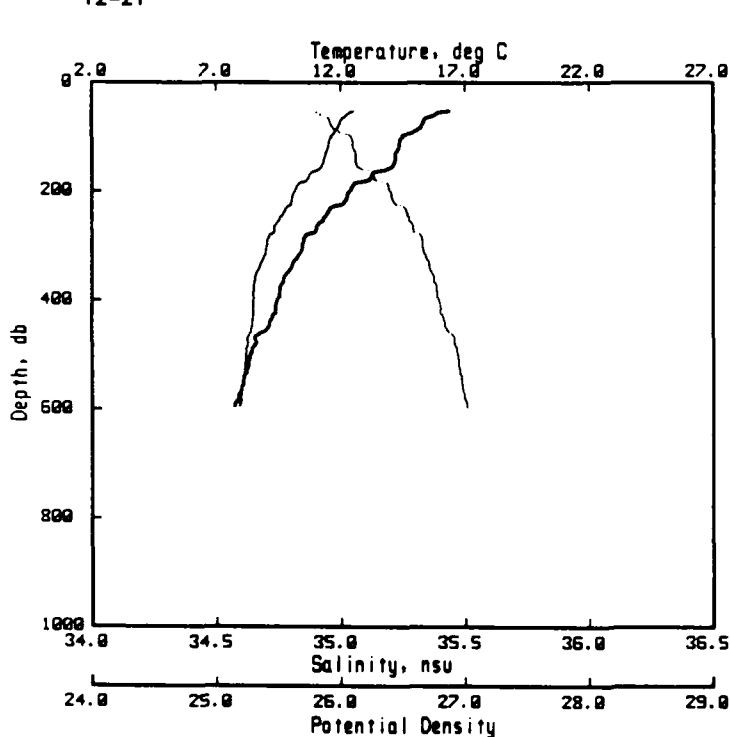
Day: 135.92 SST: 22.9 Tdry: none RH: none Wspd: 5.0 CTD #: 1
 27 FEB 86 ANC POS:SHL Gulf Co-ords: -35.4km 206.1km
 Y2-20



PR	THETA	SA	SGTH
50.0	15.423	35.009	25.903
60.0	15.303	34.995	25.919
70.0	15.205	34.987	25.935
80.0	14.814	34.972	26.009
90.0	14.500	34.960	26.068
100.0	14.233	34.947	26.115
120.0	14.143	34.931	26.122
140.0	13.616	34.900	26.208
160.0	13.105	34.863	26.284
180.0	12.554	34.829	26.368
200.0	12.206	34.810	26.421
300.0	10.420	34.702	26.666
400.0	9.176	34.634	26.823
500.0	7.961	34.600	26.986
600.0	7.358	34.581	27.059

STATION PC5044 : 28 19.2 N 112 31.3 W 14/ 5/84 2227Z 598/ 660m

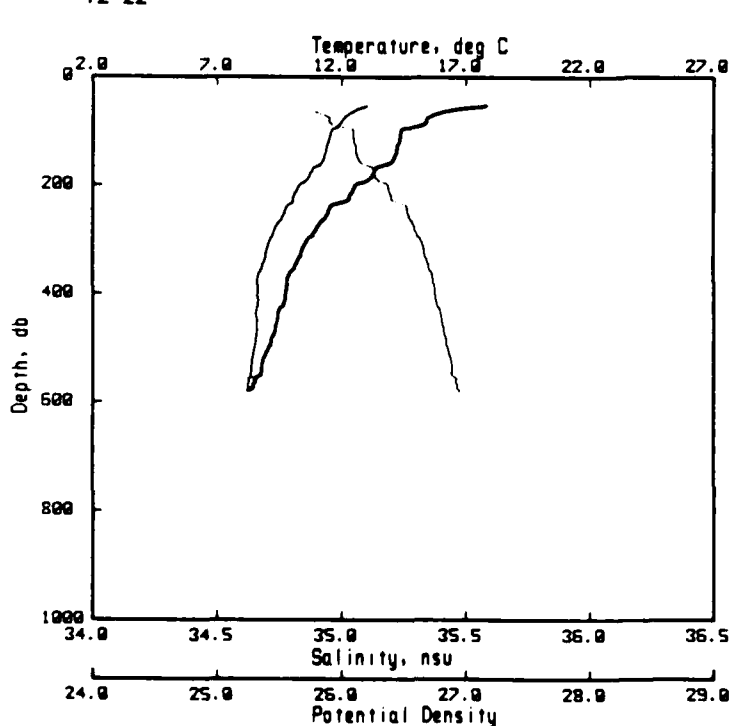
Day: 135.94 SST: 99.0 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 27 FEB 86 ANC POS:SHL Gulf Co-ords: -34.9km 206.7km
 Y2-21



PR	THETA	SA	SGTH
60.0	15.755	35.023	25.839
70.0	15.342	35.000	25.914
80.0	15.249	34.990	25.927
90.0	14.920	34.977	25.990
100.0	14.442	34.960	26.080
120.0	14.302	34.947	26.100
140.0	14.170	34.933	26.118
160.0	13.805	34.910	26.177
180.0	13.092	34.863	26.287
200.0	12.324	34.814	26.401
300.0	10.462	34.703	26.660
400.0	9.437	34.648	26.791
500.0	8.355	34.618	26.940

STATION PC5045 : 28 19.8 N 112 32.0 W 14/ 5/84 2248Z 580/ 633m

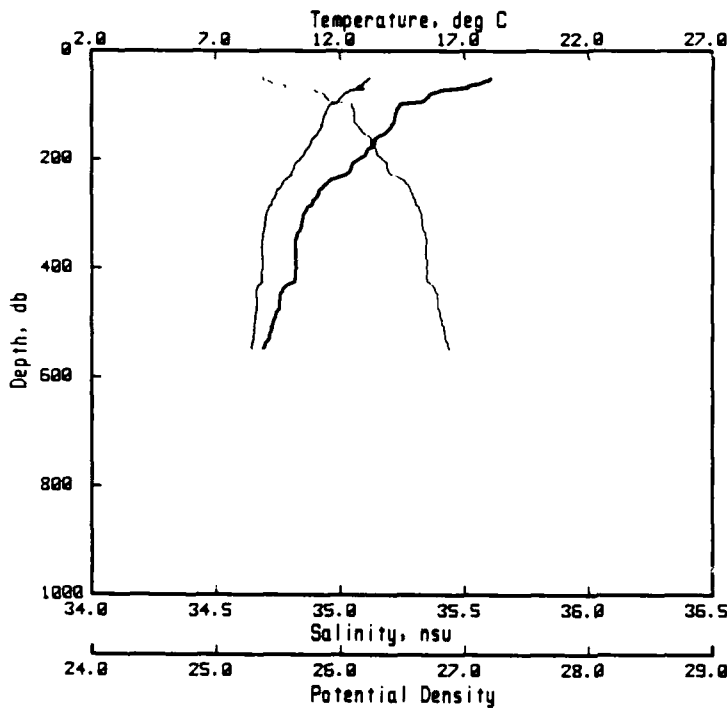
Day: 135.95 SST: 22.0 Tdry: none RH: none Wspd: 7.0 CTD #: 1
 27 FEB 86 ANC T:SHIP POS:CONSO Gulf Co-ords: -35.2km 208.2km
 Y2-22



PR	THETA	SA	SGTH
60.0	16.509	35.059	25.693
70.0	15.667	35.025	25.861
80.0	15.413	35.002	25.900
90.0	15.101	34.990	25.960
100.0	14.380	34.958	26.092
120.0	14.307	34.946	26.098
140.0	14.171	34.934	26.118
160.0	13.887	34.917	26.165
180.0	13.228	34.872	26.266
200.0	12.527	34.829	26.373
300.0	10.635	34.714	26.638
400.0	9.744	34.662	26.751
500.0	9.056	34.650	26.855

STATION PC5046 : 28 20.1 N 112 32.2 W 14/ 5/84 2320Z 549/ 604m

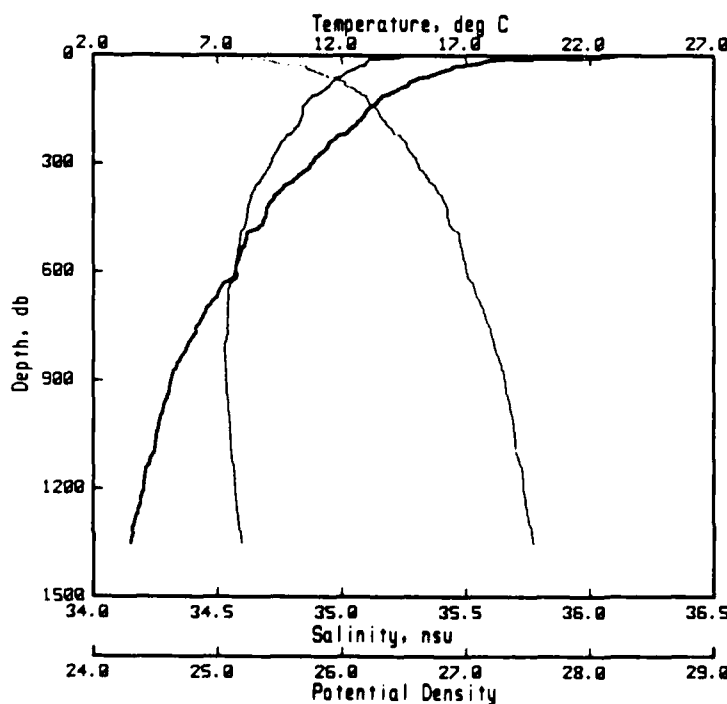
Day: 135.97 SST: 21.7 Tdry: none RH: none Wspd: 5.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:CONS Gulf Co-ords: -35.1km 208.9km
Y2-23



PR	THETA	SA	SGTH
50.0	18.039	35.119	25.372
60.0	17.619	35.088	25.451
70.0	16.503	35.094	25.722
80.0	15.580	35.012	25.870
90.0	15.403	34.996	25.898
100.0	14.374	34.956	26.092
120.0	14.214	34.935	26.110
140.0	14.014	34.921	26.141
160.0	13.432	34.890	26.239
180.0	13.106	34.865	26.285
200.0	12.725	34.836	26.339
300.0	10.521	34.705	26.651
400.0	10.205	34.687	26.692
500.0	9.292	34.656	26.822

STATION PC5047 : 27 48.3 N 112 9.1 W 15/ 5/84 359Z 1350/1409m

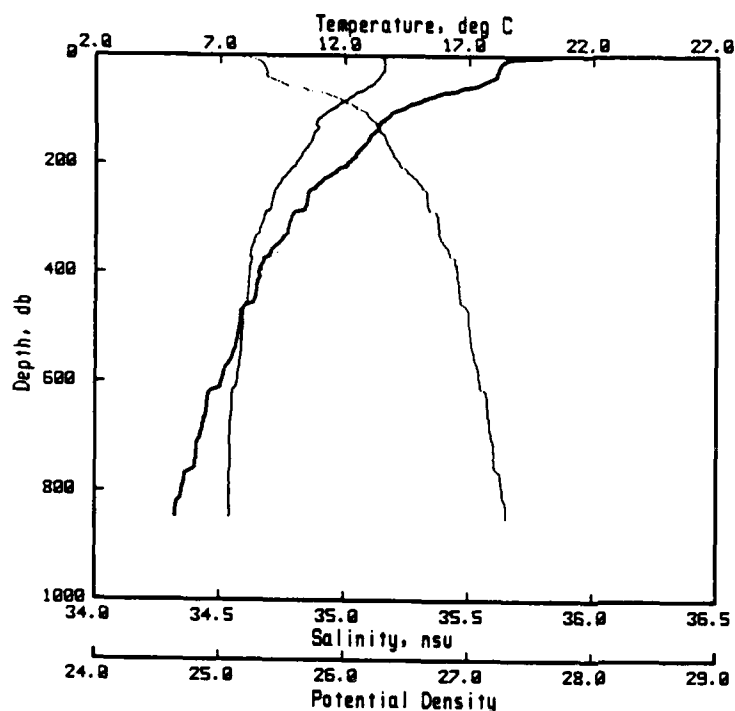
Day: 136.17 SST: 23.7 Tdry: none RH: none Wspd: 5.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -39.3km 139.1km



PR	THETA	SA	SGTH
2.0	23.113	35.254	24.114
10.0	18.681	35.114	25.208
20.0	17.632	35.098	25.456
30.0	16.464	35.066	25.709
40.0	16.256	35.041	25.738
50.0	15.794	35.013	25.823
60.0	15.423	34.995	25.893
70.0	14.911	34.969	25.986
80.0	14.683	34.954	26.024
90.0	14.356	34.938	26.082
100.0	14.122	34.920	26.118
120.0	13.528	34.871	26.204
140.0	13.265	34.847	26.239
160.0	12.943	34.843	26.301
180.0	12.735	34.836	26.337
200.0	12.406	34.817	26.387
300.0	10.761	34.714	26.615
400.0	9.214	34.631	26.815
500.0	8.177	34.591	26.947
600.0	7.689	34.570	27.003
700.0	6.564	34.542	27.138
800.0	5.805	34.527	27.225
900.0	5.113	34.536	27.316
1000.0	4.689	34.546	27.372
1100.0	4.436	34.556	27.408
1200.0	4.031	34.570	27.463
1300.0	3.642	34.587	27.516

STATION PC5048 : 27 53.9 N 112 15.4 W 15/ 5/84 612Z 852/1120m

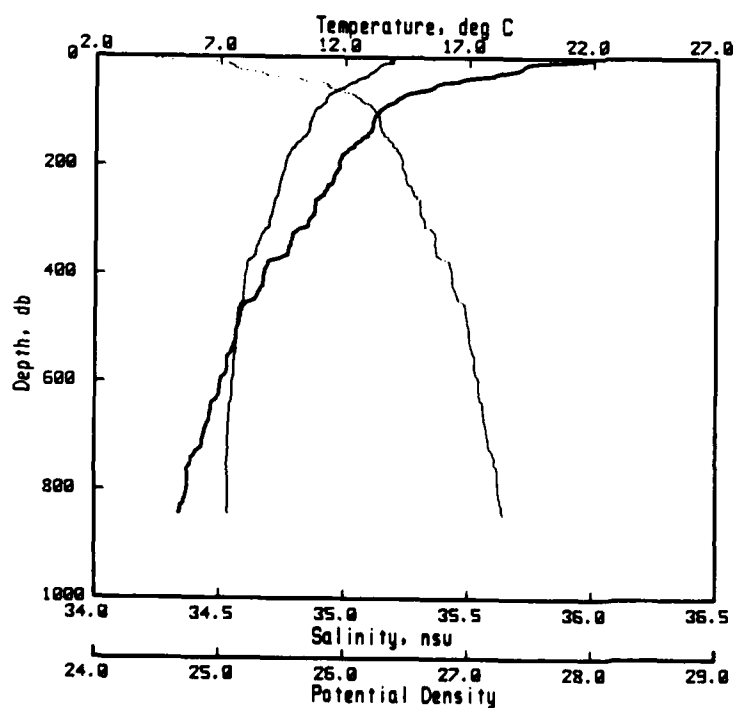
Day: 136.26 SST: 22.6 Tdry: none RH: none Wspd: 10.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -41.6km 153.6km
MCH-1



PR	THETA	SA	SGTH
2.0	20.272	35.145	24.819
10.0	18.431	35.158	25.304
20.0	18.225	35.158	25.356
30.0	18.134	35.152	25.374
40.0	18.049	35.137	25.383
50.0	17.553	35.117	25.489
60.0	16.694	35.083	25.668
70.0	15.765	35.040	25.850
80.0	15.169	35.010	25.961
90.0	14.619	34.977	26.056
100.0	14.161	34.942	26.126
120.0	13.508	34.889	26.222
140.0	13.185	34.878	26.280
160.0	12.854	34.861	26.333
180.0	12.445	34.828	26.388
200.0	12.091	34.805	26.439
300.0	9.831	34.673	26.745
400.0	8.553	34.617	26.909
500.0	7.791	34.592	27.005
600.0	7.058	34.569	27.092
700.0	6.208	34.539	27.183
800.0	5.483	34.540	27.275

STATION PC5049 : 27 58.2 N 112 19.3 W 15/ 5/84 743Z 845/1037m

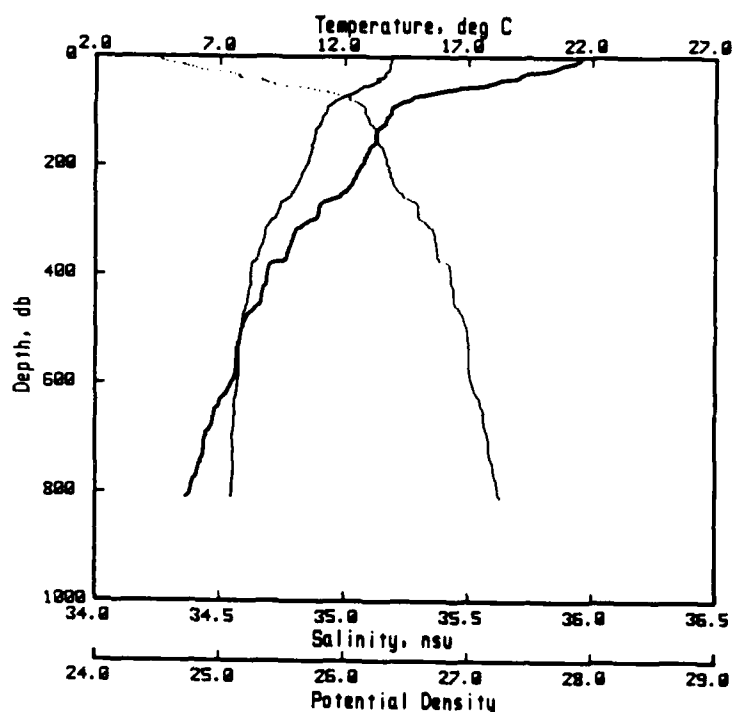
Day: 137.32 SST: 22.2 Tdry: none RH: none Wspd: 10.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -42.1km 163.8km
MCH-2



PR	THETA	SA	SGTH
2.0	21.968	35.199	24.398
10.0	19.882	35.194	24.960
20.0	19.096	35.131	25.115
30.0	18.137	35.096	25.330
40.0	16.742	35.052	25.633
50.0	15.673	35.011	25.849
60.0	15.241	34.975	25.918
70.0	14.360	34.934	26.078
80.0	14.073	34.923	26.130
90.0	13.652	34.905	26.205
100.0	13.373	34.878	26.241
120.0	13.116	34.859	26.279
140.0	12.919	34.848	26.310
160.0	12.372	34.802	26.382
180.0	11.902	34.776	26.453
200.0	11.797	34.761	26.461
300.0	10.551	34.698	26.640
400.0	8.770	34.603	26.864
500.0	7.685	34.570	27.003
600.0	7.015	34.550	27.083
700.0	6.373	34.536	27.159
800.0	5.709	34.535	27.243

STATION PC5050 : 28 6.4 N 112 19.3 W 15/ 5/84 909Z 824/ 946m

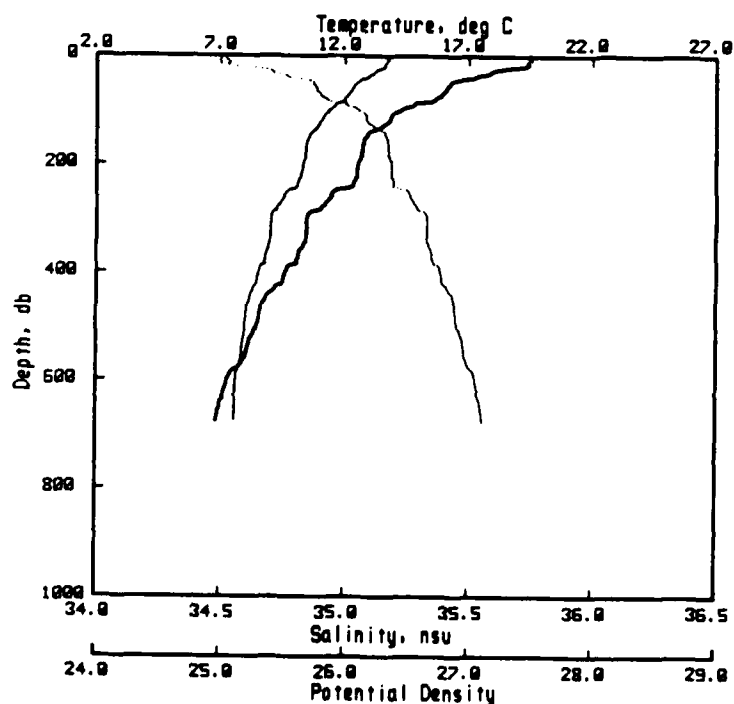
Day: 136.38 SST: 21.7 Tdry: none RH: none Wspd: 20.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -33.1km 176.0km
MCH-3



PR	THETA	SA	SGTH
2.0	21.536	35.191	24.512
10.0	21.320	35.186	24.567
20.0	20.548	35.181	24.773
30.0	19.333	35.162	25.078
40.0	18.873	35.127	25.169
50.0	17.773	35.111	25.431
60.0	16.250	35.060	25.754
70.0	15.265	35.019	25.946
80.0	14.624	34.972	26.050
90.0	14.080	34.941	26.143
100.0	13.915	34.932	26.171
120.0	13.656	34.908	26.206
140.0	13.264	34.883	26.267
160.0	13.190	34.871	26.273
180.0	12.899	34.863	26.325
200.0	12.681	34.846	26.356
300.0	10.638	34.706	26.631
400.0	8.907	34.626	26.860
500.0	7.864	34.586	26.990
600.0	7.472	34.573	27.037
700.0	6.413	34.551	27.166
800.0	5.803	34.548	27.242

STATION PC5051 : 28 7.5 N 112 20.6 W 15/ 5/86 1050Z 678/ 726m

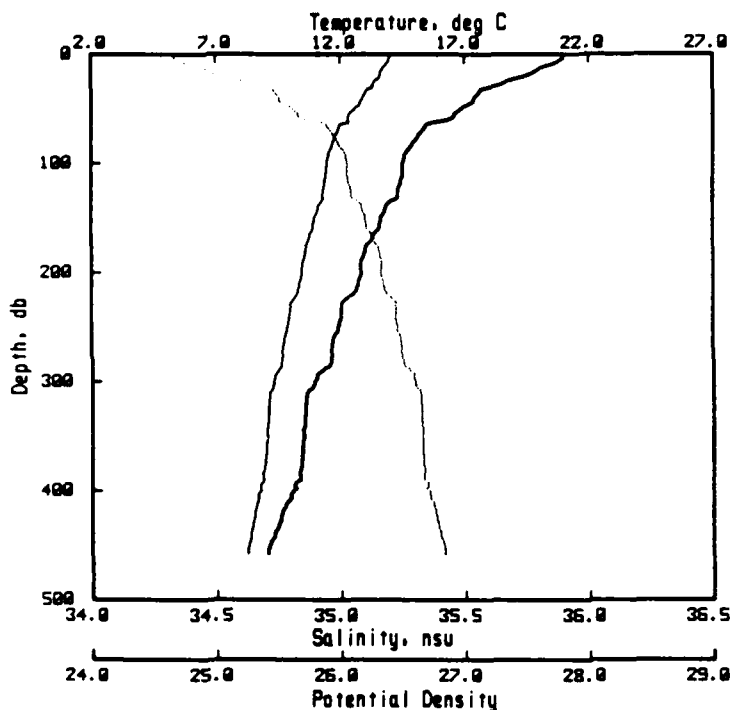
Day: 866.45 SST: 19.7 Tdry: none RH: none Wspd: 11.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -33.6km 178.9km
MCH-4



PR	THETA	SA	SGTH
10.0	19.383	35.169	25.070
20.0	19.130	35.162	25.130
30.0	17.862	35.119	25.415
40.0	17.186	35.088	25.555
50.0	16.238	35.046	25.746
60.0	16.070	35.030	25.773
70.0	15.899	35.014	25.800
80.0	15.615	34.998	25.852
90.0	14.770	34.961	26.010
100.0	14.229	34.940	26.110
120.0	13.784	34.905	26.177
140.0	12.977	34.868	26.314
160.0	12.755	34.847	26.342
180.0	12.669	34.840	26.354
200.0	12.529	34.831	26.374
300.0	10.484	34.762	26.658
400.0	9.583	34.652	26.770
500.0	8.476	34.600	26.908
600.0	7.277	34.562	27.056

STATION PC5052 : 28 10.0 N 112 26.4 W 15/ 5/84 1209Z 464/ 700m

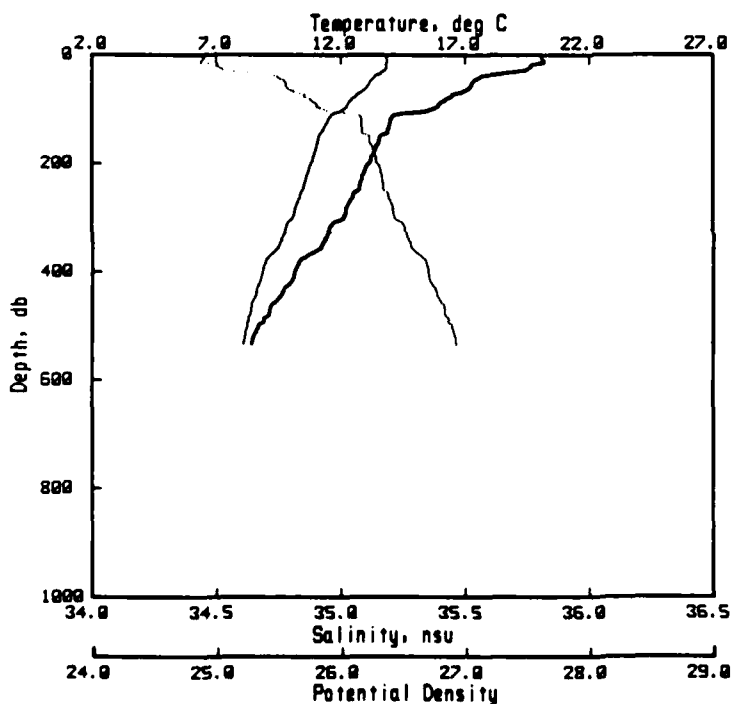
Day: 136.51 SST: 21.1 Tdry: none RH: none Wspd: 11.9 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -35.7km 191.6km
MCH-5



PR	THETA	SA	SGTH
2.0	20.975	35.201	24.673
10.0	20.365	35.183	24.823
20.0	19.391	35.159	25.061
30.0	18.016	35.132	25.388
40.0	17.381	35.088	25.509
50.0	16.823	35.056	25.617
60.0	16.320	35.030	25.715
70.0	15.285	34.990	25.919
80.0	14.950	34.971	25.979
90.0	14.641	34.955	26.034
100.0	14.509	34.946	26.055
120.0	14.383	34.936	26.075
140.0	13.825	34.911	26.173
160.0	13.557	34.889	26.212
180.0	12.973	34.859	26.308
200.0	12.829	34.843	26.324
300.0	10.916	34.728	26.598
400.0	10.068	34.679	26.709

STATION PC5053 : 28 14.0 N 112 30.0 W 15/ 5/84 1330Z 565/ 644m

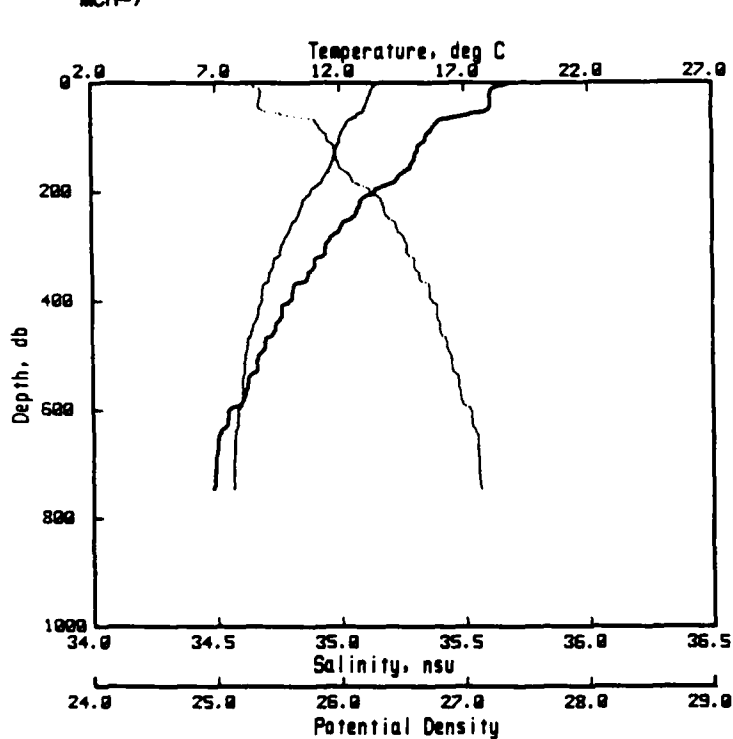
Day: 136.56 SST: 20.7 Tdry: none RH: none Wspd: 5.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -35.9km 199.6km
MCH-6 *** uptrace ***



PR	THETA	SA	SGTH
10.0	20.157	35.186	24.881
20.0	19.710	35.184	24.997
30.0	19.091	35.166	25.143
40.0	17.605	35.135	25.490
50.0	17.282	35.115	25.553
60.0	17.161	35.100	25.571
70.0	16.651	35.071	25.669
80.0	16.221	35.045	25.749
90.0	15.922	35.028	25.805
100.0	15.595	35.008	25.864
120.0	13.987	34.948	26.168
140.0	13.892	34.925	26.170
160.0	13.528	34.908	26.233
180.0	13.325	34.894	26.263
200.0	13.110	34.881	26.297
300.0	12.123	34.808	26.435
400.0	10.124	34.684	26.704
500.0	8.672	34.622	26.894

STATION PC5054 : 28 20.8 N 112 29.6 W 15/ 5/84 1455Z 751/ 853m

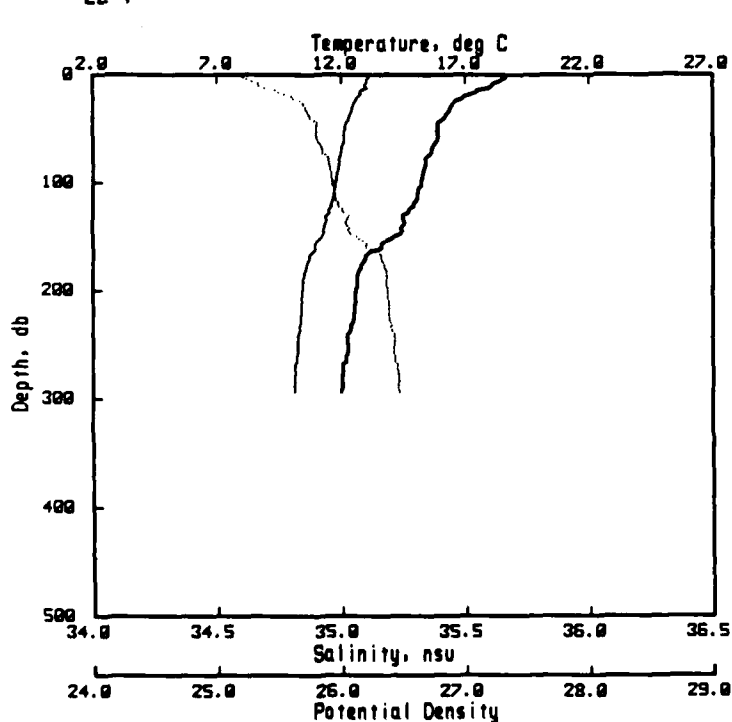
Day: 136.62 SST: 19.2 Tdry: none RH: none Wspd: 6.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -30.9km 207.2km
MCH-7



PR	THETA	SA	SGTH
2.0	18.732	35.148	25.221
10.0	18.141	35.132	25.357
20.0	18.061	35.123	25.370
30.0	18.076	35.115	25.360
40.0	18.084	35.106	25.351
50.0	17.935	35.100	25.383
60.0	16.990	35.071	25.589
70.0	15.943	35.033	25.804
80.0	15.762	35.020	25.835
90.0	15.577	35.007	25.867
100.0	15.425	34.999	25.895
120.0	15.115	34.985	25.953
140.0	14.989	34.974	25.973
160.0	14.676	34.956	26.027
180.0	14.215	34.926	26.103
200.0	13.364	34.882	26.246
300.0	11.404	34.763	26.536
400.0	9.904	34.681	26.739
500.0	8.675	34.615	26.888
600.0	7.497	34.587	27.044
700.0	6.924	34.567	27.109

STATION PC5055 : 28 23.0 N 112 36.0 W 15/ 5/84 1630Z 295/ 350m

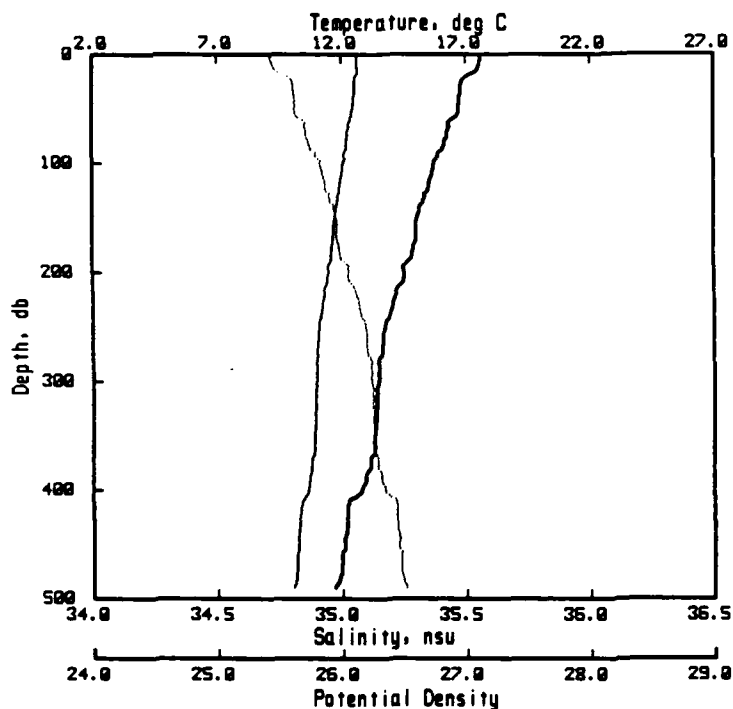
Day: 136.69 SST: 19.8 Tdry: none RH: none Wspd: 9.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -37.0km 216.9km
LL-1



PR	THETA	SA	SGTH
2.0	18.649	35.111	25.214
10.0	18.092	35.094	25.340
20.0	16.932	35.067	25.600
30.0	16.391	35.044	25.709
40.0	16.161	35.029	25.751
50.0	15.898	35.014	25.800
60.0	15.862	35.010	25.805
70.0	15.627	35.000	25.850
80.0	15.388	34.990	25.896
90.0	15.282	34.984	25.915
100.0	15.206	34.977	25.927
120.0	14.928	34.959	25.974
140.0	14.485	34.934	26.051
160.0	13.621	34.894	26.203
180.0	12.737	34.858	26.354
200.0	12.588	34.842	26.371

STATION PC5056 : 28 25.8 N 112 39.1 W 15/ 5/84 1722Z 493/ 498m

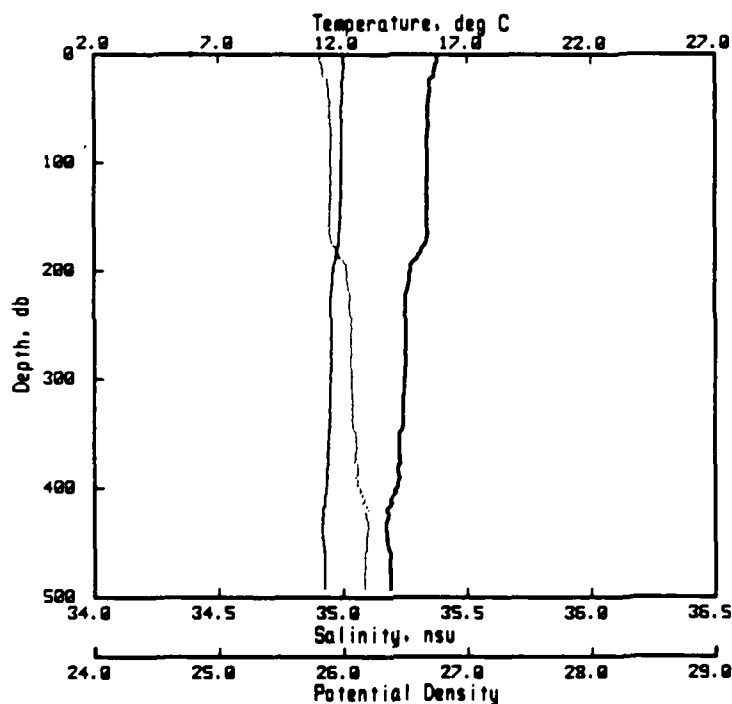
Day: 136.72 SST: 18.1 Tdry: none RH: none Wspd: 4.0 CTD #: 1
 27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -38.1km 224.1km
 LL-2



PR	THETA	SA	SGTH
2.0	17.602	35.063	25.436
10.0	17.536	35.065	25.454
20.0	17.018	35.058	25.573
30.0	16.807	35.054	25.620
40.0	16.756	35.050	25.628
50.0	16.737	35.046	25.630
60.0	16.425	35.039	25.698
70.0	16.281	35.028	25.723
80.0	16.183	35.023	25.741
90.0	15.916	35.016	25.797
100.0	15.739	35.007	25.830
120.0	15.515	34.995	25.872
140.0	15.154	34.980	25.941
160.0	14.990	34.971	25.970
180.0	14.863	34.963	25.992
200.0	14.493	34.948	26.060
300.0	13.466	34.898	26.238
400.0	12.779	34.864	26.350

STATION PC5057 : 28 29.0 N 112 41.5 W 15/ 5/84 1814Z 493/ 500m

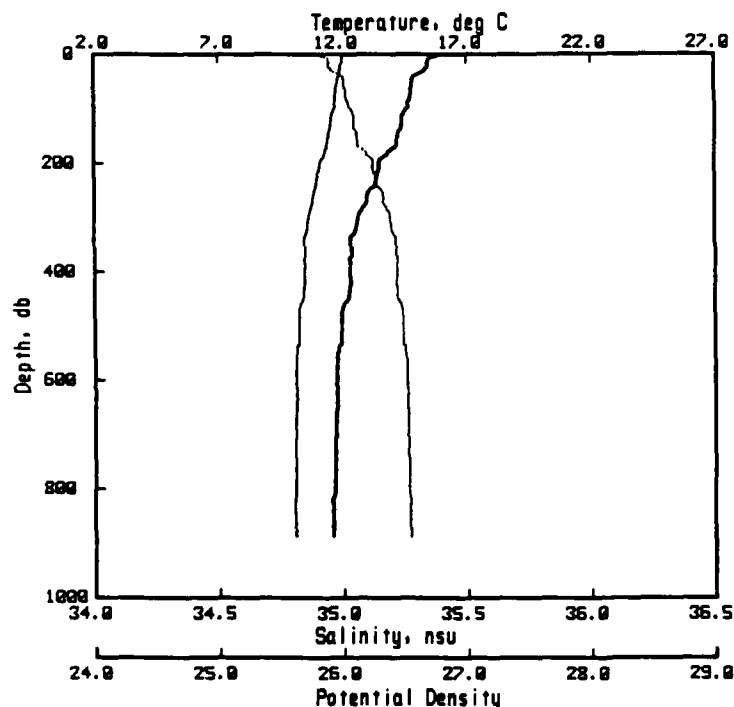
Day: 136.76 SST: 16.2 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 27 FEB 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -37.7km 231.1km
 LL-3



PR	THETA	SA	SGTH
2.0	15.781	35.004	25.819
10.0	15.713	35.005	25.835
20.0	15.676	35.003	25.842
30.0	15.478	34.997	25.882
40.0	15.446	34.997	25.889
50.0	15.406	34.994	25.895
60.0	15.410	34.993	25.894
70.0	15.382	34.993	25.900
80.0	15.364	34.992	25.903
90.0	15.381	34.992	25.900
100.0	15.382	34.992	25.899
120.0	15.365	34.992	25.903
140.0	15.380	34.991	25.899
160.0	15.393	34.986	25.892
180.0	15.136	34.975	25.941
200.0	14.685	34.962	26.030
300.0	14.460	34.949	26.068
400.0	14.102	34.933	26.132

STATION PC5058 : 28 33.0 N 112 37.5 W 15/ 5/84 1925Z 889/ 955m

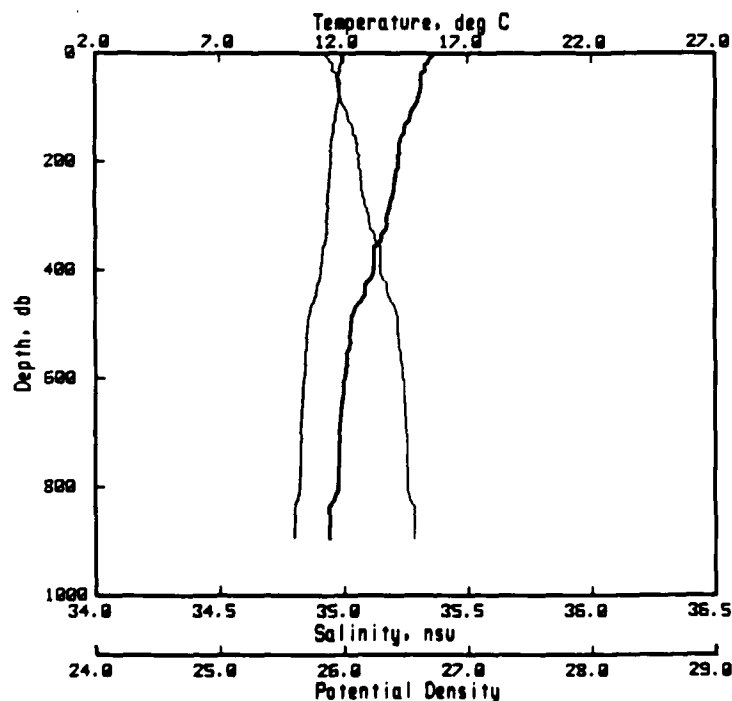
Day: 136.81 SST: 16.6 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -28.0km 233.2km
 LL-4



PR	THETA	SA	SGTH
2.0	15.834	35.001	25.804
10.0	15.453	35.000	25.889
20.0	15.437	34.994	25.889
30.0	15.302	34.990	25.916
40.0	14.866	34.986	26.009
50.0	14.820	34.981	26.015
60.0	14.787	34.977	26.019
70.0	14.747	34.973	26.025
80.0	14.712	34.971	26.031
90.0	14.618	34.967	26.048
100.0	14.522	34.964	26.066
120.0	14.381	34.953	26.088
140.0	14.255	34.945	26.109
160.0	14.174	34.938	26.121
180.0	13.811	34.929	26.190
200.0	13.485	34.911	26.244
300.0	12.609	34.862	26.382
400.0	12.286	34.845	26.432
500.0	11.935	34.822	26.482
600.0	11.737	34.810	26.510
700.0	11.700	34.809	26.517
800.0	11.641	34.807	26.526

STATION PC5059 : 28 35.2 N 112 49.6 W 15/ 5/84 2056Z 904/ 950m

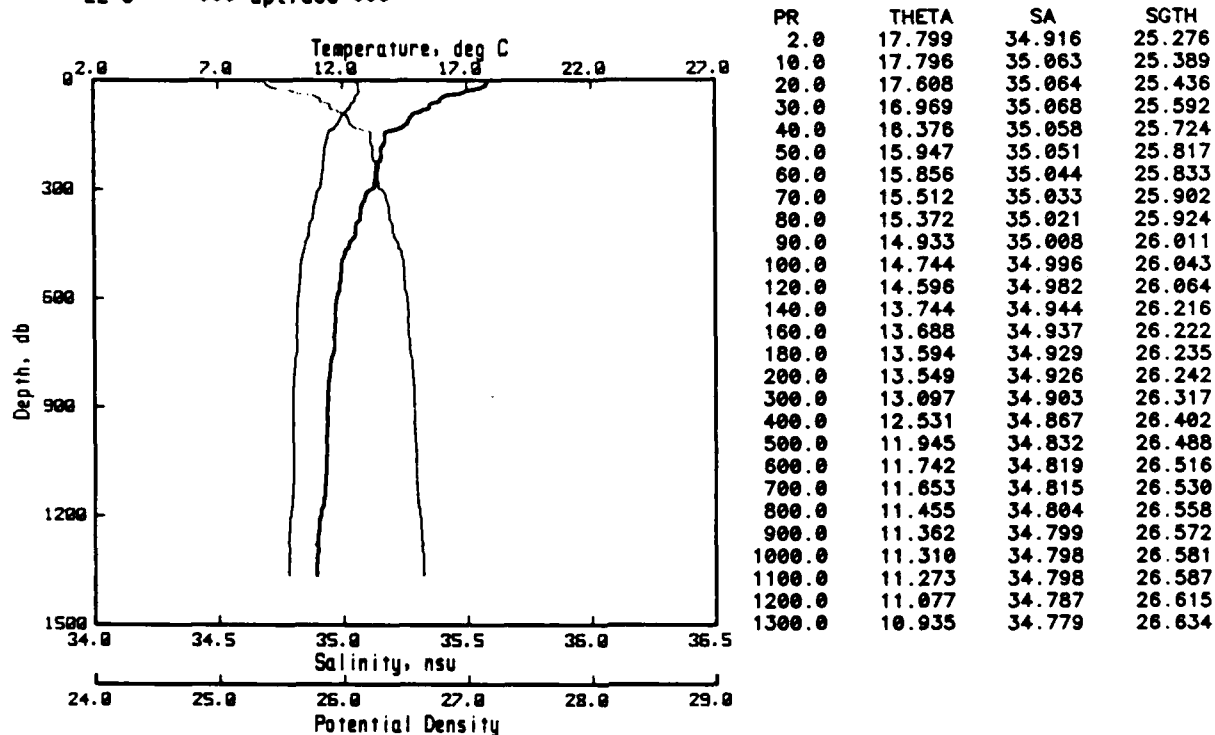
Day: 136.87 SST: 16.7 Tdry: none RH: none Wspd: 12.0 CTD #: 1
 27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -41.6km 248.2km
 LL-5



PR	THETA	SA	SGTH
2.0	15.621	34.994	25.847
10.0	15.469	34.994	25.881
20.0	15.283	34.988	25.918
30.0	15.302	34.985	25.912
40.0	15.131	34.981	25.947
50.0	15.113	34.986	25.954
60.0	15.115	34.984	25.952
70.0	15.081	34.982	25.958
80.0	15.008	34.982	25.974
90.0	14.942	34.979	25.987
100.0	14.814	34.973	26.010
120.0	14.669	34.968	26.038
140.0	14.458	34.961	26.078
160.0	14.308	34.955	26.105
180.0	14.250	34.951	26.115
200.0	14.199	34.949	26.124
300.0	13.748	34.935	26.208
400.0	13.213	34.910	26.299
500.0	12.302	34.857	26.439
600.0	12.033	34.839	26.477
700.0	11.833	34.828	26.506
800.0	11.772	34.824	26.515

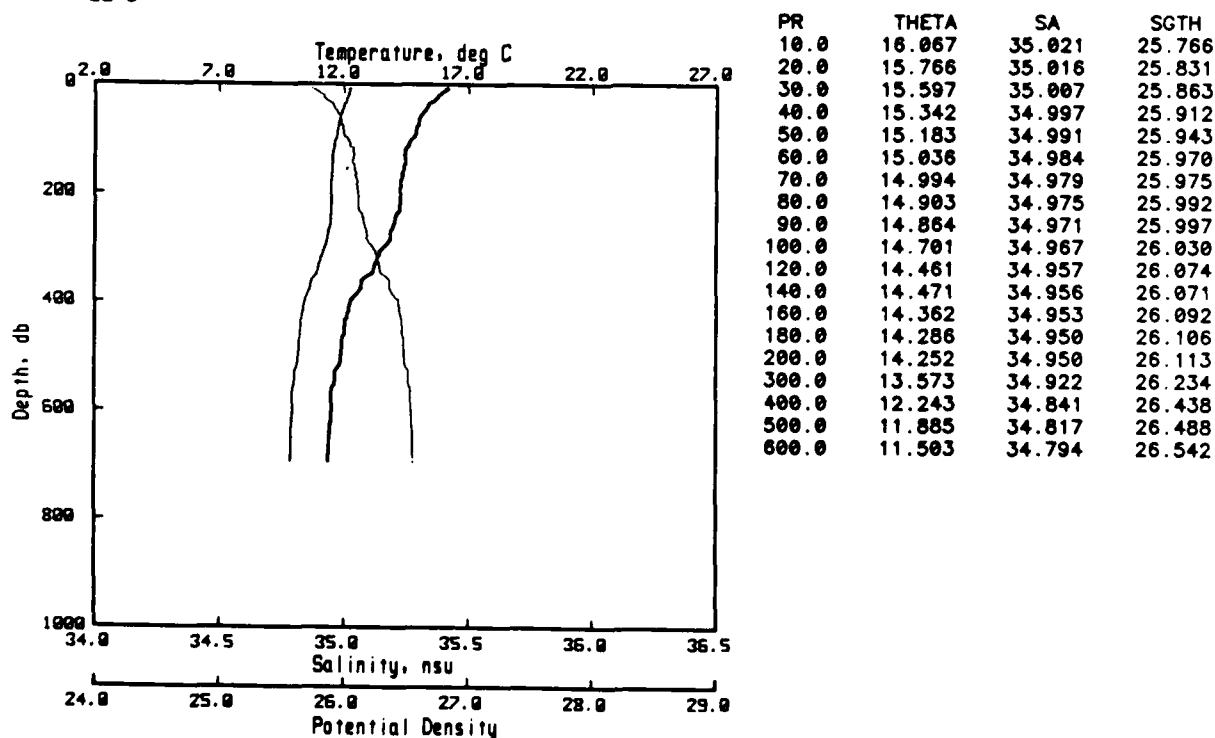
STATION PC5060 : 28 37.0 N 112 54.0 W 15/ 5/84 2305Z 1365/1430m

Day: 136.96 SST: 19.1 Tdry: none RH: none Wspd: 7.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -45.5km 255.1km
LL-6 *** uptrace ***



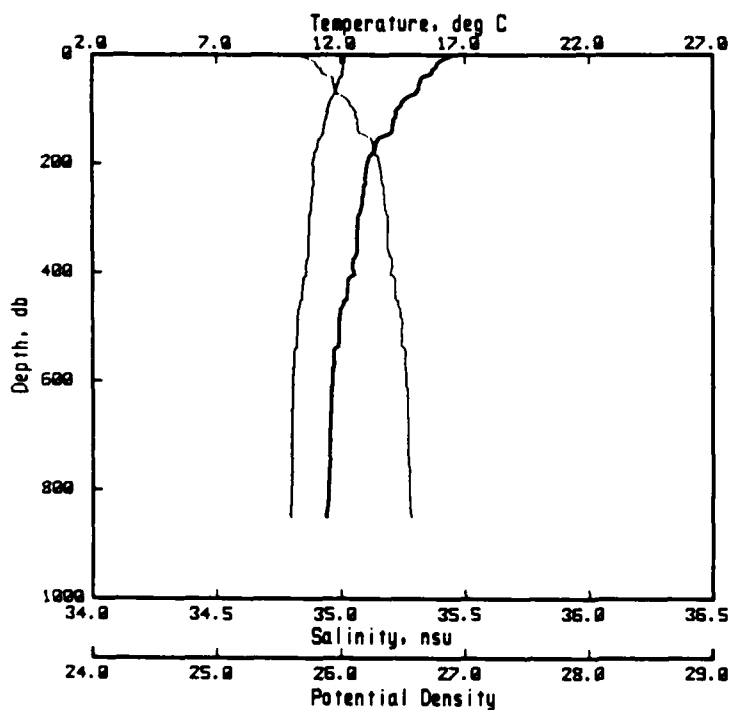
STATION PC5061 : 28 35.0 N 112 49.5 W 16/ 5/84 100Z 696/ 779m

Day: 137.04 SST: 17.4 Tdry: none RH: none Wspd: 2.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -41.7km 247.8km
LL-5



STATION PC5062 : 28 32.0 N 112 47.5 W 16/ 5/84 200Z 852/ 940m

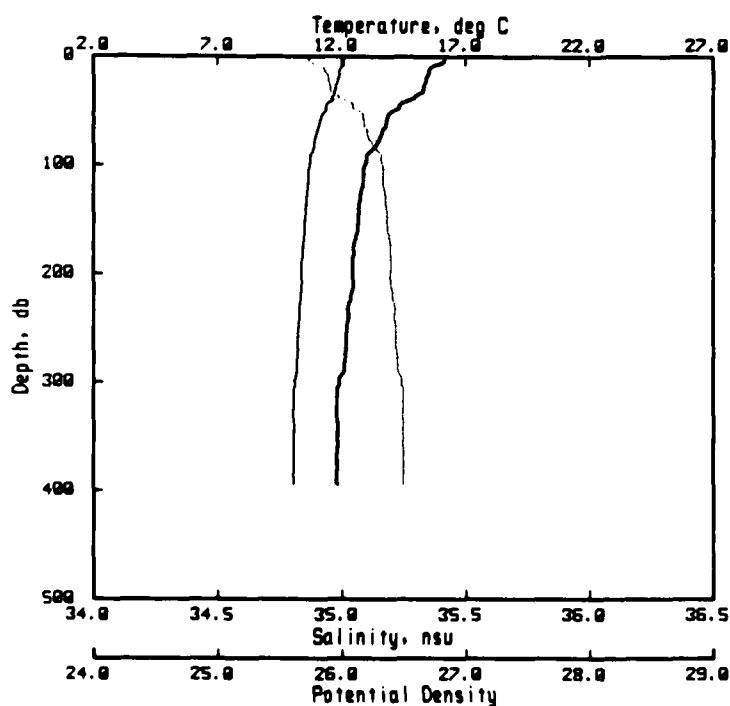
Day: 137.08 SST: 16.8 Tdry: none RH: none Wspd: 4.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -42.4km 241.4km
LL-4



PR	THETA	SA	SGTH
2.0	16.418	35.014	25.680
10.0	16.040	35.016	25.769
20.0	15.844	35.010	25.809
30.0	15.675	35.006	25.844
40.0	15.295	35.004	25.928
50.0	15.185	34.990	25.941
60.0	15.135	34.984	25.948
70.0	15.013	34.977	25.969
80.0	14.607	34.963	26.047
90.0	14.442	34.954	26.076
100.0	14.264	34.948	26.109
120.0	14.111	34.937	26.133
140.0	14.059	34.930	26.139
160.0	13.426	34.910	26.255
180.0	13.254	34.894	26.278
200.0	13.058	34.888	26.313
300.0	12.681	34.873	26.377
400.0	12.527	34.859	26.396
500.0	11.909	34.824	26.489
600.0	11.663	34.808	26.523
700.0	11.547	34.802	26.540
800.0	11.494	34.800	26.548

STATION PC5063 : 28 27.3 N 112 39.1 W 16/ 5/84 337Z 395/ 479m

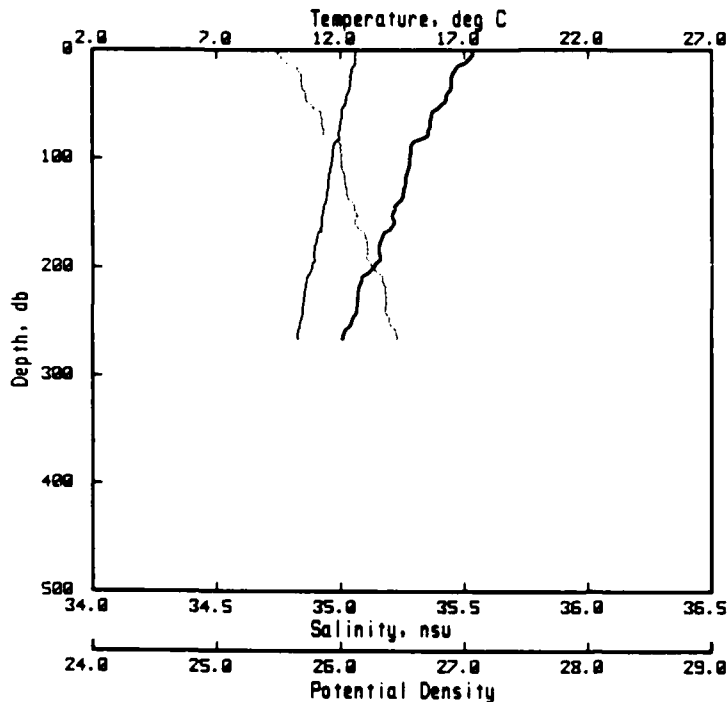
Day: 137.15 SST: 16.3 Tdry: none RH: none Wspd: 10.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -36.4km 226.3km
LL-2



PR	THETA	SA	SGTH
2.0	16.154	35.009	25.737
10.0	15.574	34.997	25.860
20.0	15.395	34.985	25.891
30.0	15.275	34.974	25.909
40.0	14.722	34.965	26.024
50.0	14.054	34.936	26.145
60.0	13.797	34.912	26.180
70.0	13.621	34.899	26.206
80.0	13.410	34.888	26.241
90.0	12.988	34.874	26.316
100.0	12.910	34.870	26.329
120.0	12.825	34.863	26.340
140.0	12.693	34.855	26.360
160.0	12.633	34.851	26.369
180.0	12.496	34.843	26.390
200.0	12.453	34.838	26.394
300.0	11.905	34.812	26.480

STATION PC5064 : 28 27.2 N 112 37.5 W 16/ 5/84 445Z 265/ 290m

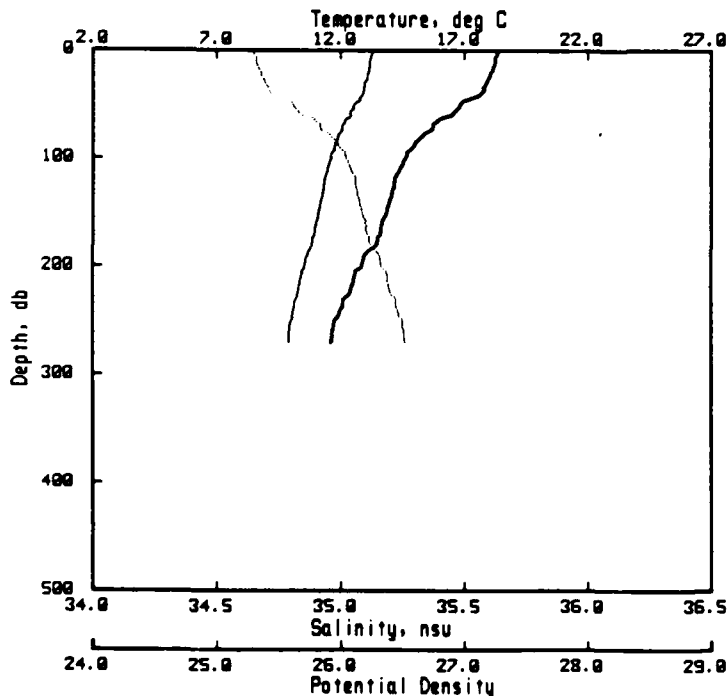
Day: 137.20 SST: 18.4 Tdry: none RH: none Wspd: 6.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -34.4km 224.6km



PR	THETA	SA	SGTH
2.0	17.329	35.061	25.501
10.0	17.098	35.059	25.554
20.0	16.573	35.046	25.669
30.0	16.466	35.040	25.689
40.0	16.282	35.027	25.722
50.0	16.077	35.020	25.763
60.0	15.680	35.004	25.842
70.0	15.618	34.999	25.852
80.0	15.432	34.996	25.891
90.0	14.848	34.971	26.001
100.0	14.802	34.966	26.007
120.0	14.623	34.952	26.035
140.0	14.318	34.941	26.092
160.0	14.135	34.925	26.119
180.0	13.553	34.896	26.218
200.0	13.284	34.884	26.264

STATION PC5065 : 28 25.5 N 112 38.0 W 16/ 5/84 538Z 273/ 311m

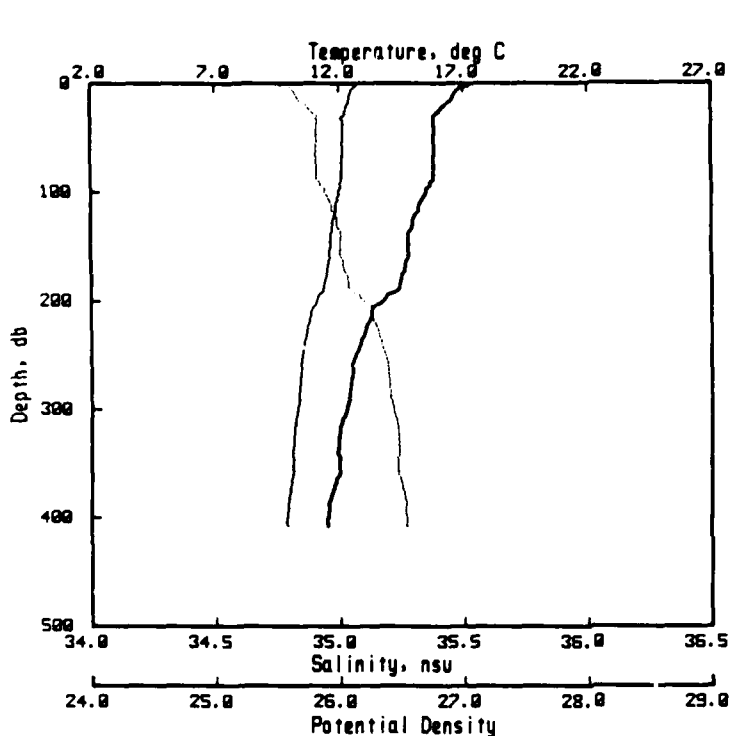
Day: 137.23 SST: 18.4 Tdry: none RH: none Wspd: 2.5 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -36.9km 222.6km



PR	THETA	SA	SGTH
2.0	18.359	35.127	25.299
10.0	18.245	35.119	25.321
20.0	18.080	35.113	25.357
30.0	17.878	35.096	25.394
40.0	17.672	35.088	25.438
50.0	16.820	35.054	25.617
60.0	16.453	35.041	25.693
70.0	15.729	35.005	25.831
80.0	15.250	34.989	25.926
90.0	14.880	34.974	25.996
100.0	14.599	34.960	26.047
120.0	14.177	34.935	26.118
140.0	13.960	34.919	26.151
160.0	13.664	34.900	26.198
180.0	13.416	34.882	26.236
200.0	12.856	34.854	26.327

STATION PC5066 : 28 25.7 N 112 37.8 W 16/ 5/84 638Z 409/ 458m

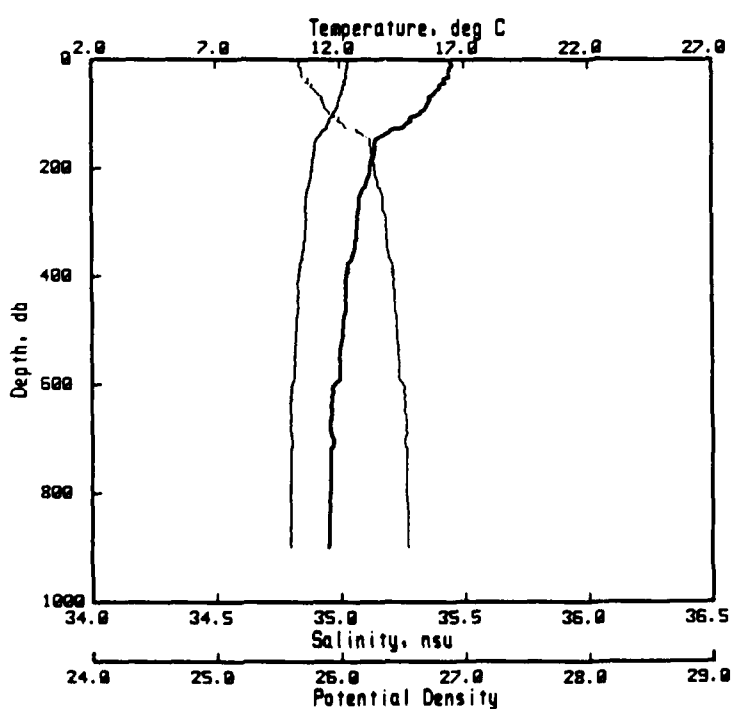
Day: 137.28 SST: 18.2 Tdry: none RH: none Wspd: 3.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -36.4km 222.6km



PR	THETA	SA	SGTH
2.0	17.222	35.069	25.532
10.0	16.636	35.045	25.653
20.0	16.236	35.032	25.736
30.0	15.811	35.018	25.823
40.0	15.818	35.015	25.819
50.0	15.810	35.014	25.820
60.0	15.839	35.015	25.814
70.0	15.800	35.012	25.821
80.0	15.802	35.010	25.818
90.0	15.696	35.008	25.841
100.0	15.485	34.996	25.879
120.0	15.039	34.980	25.966
140.0	14.769	34.966	26.014
160.0	14.751	34.961	26.014
180.0	14.450	34.941	26.064
200.0	13.706	34.906	26.194
300.0	12.238	34.829	26.429
400.0	11.505	34.788	26.537

STATION PC5067 : 28 26.7 N 112 40.2 W 16/ 5/84 819Z 900/1000m

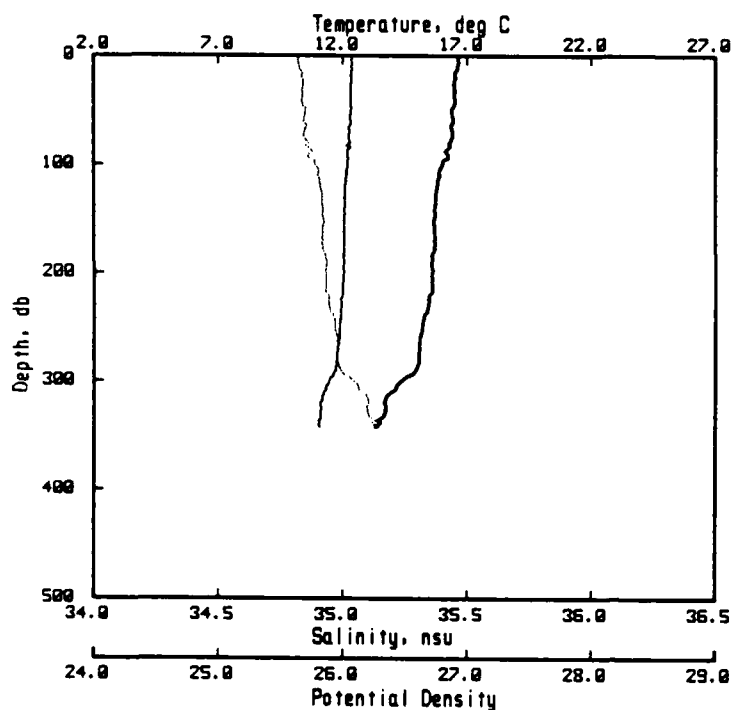
Day: 138.35 SST: 16.9 Tdry: none RH: none Wspd: 7.7 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -38.5km 226.5km



PR	THETA	SA	SGTH
2.0	16.491	35.035	25.679
10.0	16.524	35.033	25.670
20.0	16.417	35.029	25.692
30.0	16.398	35.025	25.693
40.0	16.167	35.014	25.738
50.0	16.030	35.011	25.767
60.0	15.853	35.004	25.802
70.0	15.587	34.998	25.858
80.0	15.534	34.994	25.867
90.0	15.426	34.985	25.884
100.0	15.236	34.974	25.918
120.0	14.618	34.950	26.035
140.0	13.766	34.919	26.192
160.0	13.420	34.899	26.248
180.0	13.276	34.895	26.274
200.0	13.209	34.887	26.282
300.0	12.676	34.861	26.368
400.0	12.278	34.836	26.427
500.0	12.076	34.822	26.455
600.0	11.776	34.808	26.501
700.0	11.675	34.801	26.515
800.0	11.577	34.799	26.532
900.0	11.511	34.798	26.543

STATION PC5068 : 28 30.5 N 112 44.0 W 16/ 5/84 952Z 325/ 428m

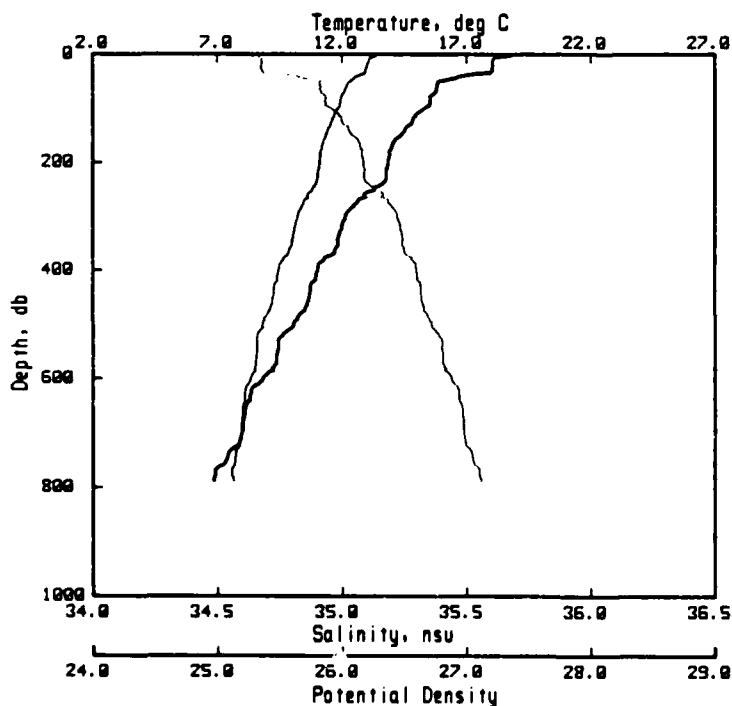
Day: 137.41 SST: 16.2 Tdry: none RH: none Wspd: 8.2 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -39.4km 235.8km



PR	THETA	SA	SGTH
2.0	16.647	35.037	25.644
10.0	16.618	35.036	25.650
20.0	16.527	35.035	25.671
30.0	16.496	35.033	25.676
40.0	16.511	35.032	25.672
50.0	16.392	35.031	25.699
60.0	16.444	35.033	25.689
70.0	16.405	35.026	25.692
80.0	16.269	35.030	25.727
90.0	16.207	35.019	25.733
100.0	16.000	35.017	25.779
120.0	15.787	35.010	25.822
140.0	15.692	35.007	25.841
160.0	15.689	35.006	25.841
180.0	15.661	35.008	25.849
200.0	15.576	35.002	25.864
300.0	14.339	34.944	26.090

STATION PC5069 : 28 25.0 N 112 31.0 W 16/ 5/84 1350Z 787/ 896m

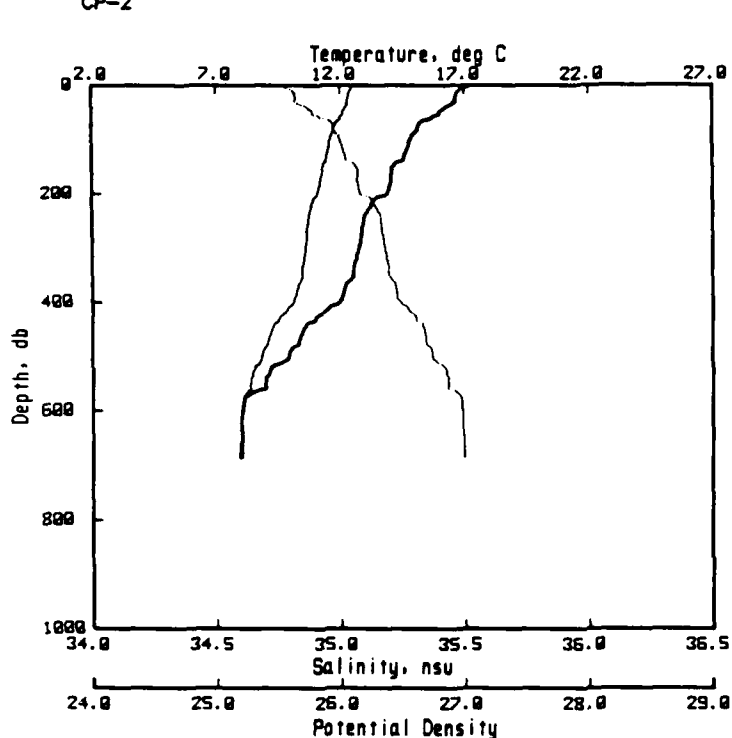
Day: 137.58 SST: 19.5 Tdry: none RH: none Wspd: 4.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -28.2km 215.1km
CP-1



PR	THETA	SA	SGTH
2.0	18.792	35.138	25.198
10.0	18.063	35.109	25.358
20.0	18.056	35.101	25.354
30.0	18.023	35.093	25.356
40.0	16.766	35.065	25.638
50.0	15.850	35.029	25.822
60.0	15.791	35.017	25.827
70.0	15.734	35.007	25.832
80.0	15.535	34.995	25.867
90.0	15.525	34.993	25.868
100.0	15.273	34.983	25.917
120.0	14.846	34.961	25.994
140.0	14.509	34.942	26.052
160.0	14.082	34.925	26.130
180.0	13.902	34.913	26.159
200.0	13.842	34.910	26.169
300.0	12.133	34.820	26.443
400.0	11.014	34.745	26.594
500.0	10.040	34.680	26.715
600.0	8.820	34.633	26.880
700.0	7.959	34.594	26.982

STATION PC5070 : 28 27.5 N 112 31.6 W 16/ 5/84 1535Z 695/ 867m

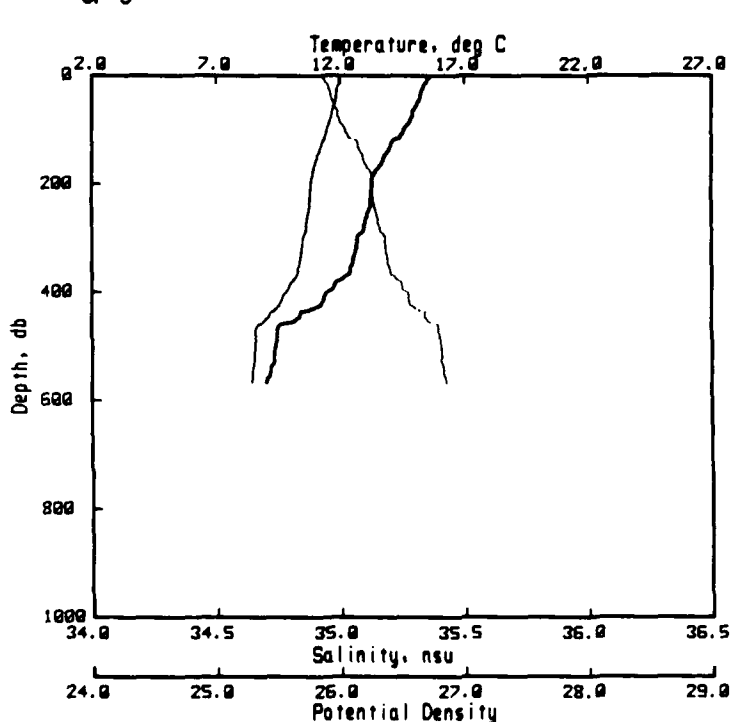
Day: 127.85 SST: 18.5 Tdry: none RH: none Wspd: 3.0 CTD #: 1
 27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -26.2km 219.4km
 CP-2



PR	THETA	SA	SGTH
2.0	17.203	35.055	25.526
10.0	16.749	35.040	25.622
20.0	16.650	35.034	25.641
30.0	16.657	35.029	25.636
40.0	16.209	35.019	25.732
50.0	15.977	35.009	25.778
60.0	15.676	34.999	25.839
70.0	15.182	34.983	25.937
80.0	15.100	34.974	25.948
90.0	14.963	34.966	25.972
100.0	14.806	34.959	26.001
120.0	14.660	34.949	26.025
140.0	14.389	34.944	26.079
160.0	14.057	34.926	26.136
180.0	14.005	34.917	26.140
200.0	13.877	34.908	26.160
300.0	12.728	34.859	26.356
400.0	11.891	34.806	26.478
500.0	9.918	34.684	26.739
600.0	8.013	34.600	26.978

STATION PC5071 : 28 30.0 N 112 32.8 W 16/ 5/84 1647Z 567/ 648m

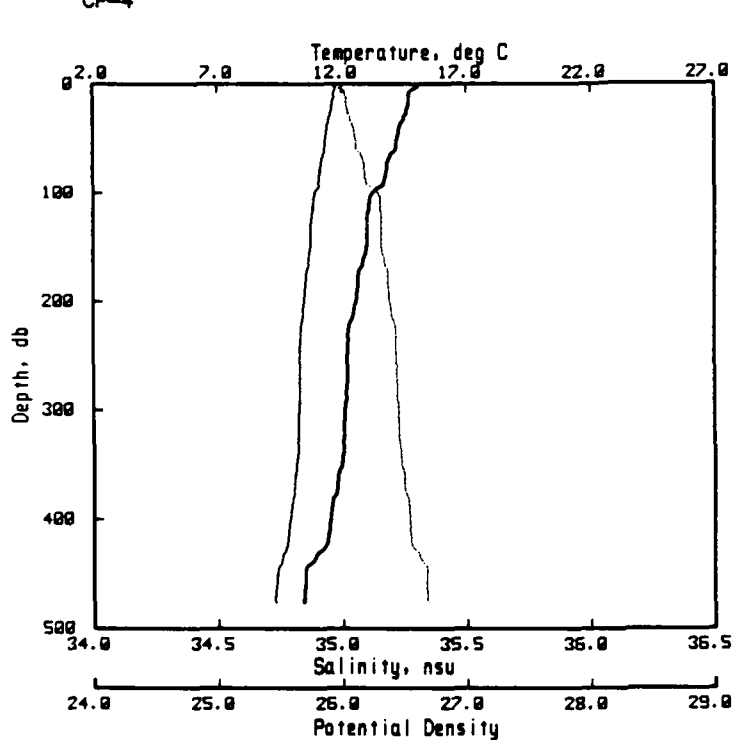
Day: 137.70 SST: 16.5 Tdry: none RH: none Wspd: 4.0 CTD #: 1
 28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -25.1km 224.2km
 CP-3



PR	THETA	SA	SGTH
10.0	15.497	34.996	25.877
20.0	15.352	34.991	25.905
30.0	15.267	34.986	25.920
40.0	15.220	34.984	25.929
50.0	15.112	34.981	25.951
60.0	15.009	34.972	25.967
70.0	14.927	34.967	25.981
80.0	14.843	34.961	25.994
90.0	14.726	34.957	26.017
100.0	14.574	34.948	26.043
120.0	14.097	34.930	26.131
140.0	13.901	34.917	26.162
160.0	13.680	34.900	26.195
180.0	13.366	34.891	26.253
200.0	13.272	34.882	26.265
300.0	12.673	34.850	26.360
400.0	11.429	34.779	26.544
500.0	9.368	34.655	26.808

STATION PC5072 : 28 30.8 N 112 33.8 W 16/ 5/84 1740Z 478/ 545m

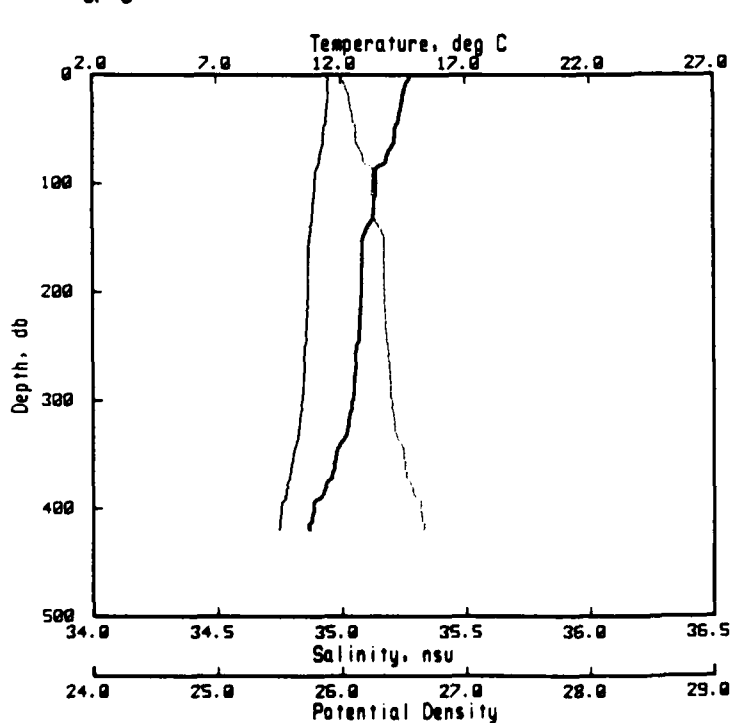
Day: 137.74 SST: 15.3 Tdry: none RH: none Wspd: 6.0 CTD #: 1
 28 FEB 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -25.5km 226.4km
 CP-4



PR	THETA	SA	SGTH
2.0	15.053	34.971	25.956
10.0	14.695	34.968	26.032
20.0	14.652	34.959	26.034
30.0	14.489	34.949	26.062
40.0	14.308	34.939	26.093
50.0	14.217	34.935	26.109
60.0	14.163	34.929	26.116
70.0	13.873	34.919	26.169
80.0	13.786	34.914	26.184
90.0	13.698	34.908	26.197
100.0	13.198	34.891	26.287
120.0	13.016	34.878	26.314
140.0	12.990	34.873	26.315
160.0	12.851	34.866	26.337
180.0	12.645	34.855	26.370
200.0	12.557	34.848	26.382
300.0	12.096	34.826	26.454
400.0	11.501	34.789	26.538

STATION PC5073 : 28 35.5 N 112 36.6 W 16/ 5/84 1838Z 420/ 516m

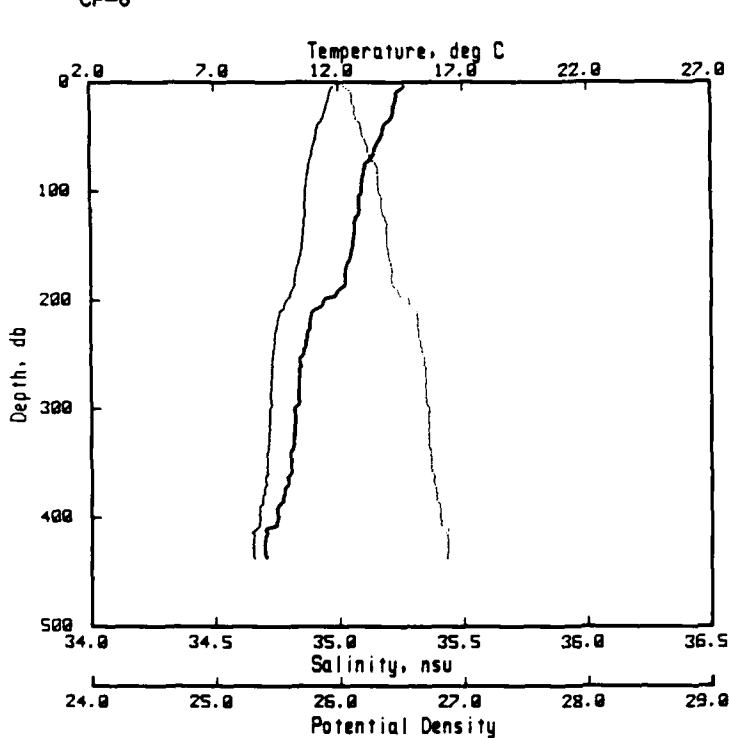
Day: 137.78 SST: 16.1 Tdry: none RH: none Wspd: 6.0 CTD #: 1
 28 FEB 86 SST:SHIP TW&TD:SAIL Gulf Co-ords: -24.1km 236.1km
 CP-5



PR	THETA	SA	SGTH
2.0	14.787	34.943	25.993
10.0	14.600	34.948	26.037
20.0	14.464	34.946	26.065
30.0	14.403	34.943	26.076
40.0	14.308	34.939	26.093
50.0	14.160	34.931	26.118
60.0	14.139	34.927	26.120
70.0	13.925	34.920	26.159
80.0	13.785	34.913	26.183
90.0	13.383	34.898	26.255
100.0	13.391	34.894	26.250
120.0	13.323	34.888	26.259
140.0	13.045	34.875	26.306
160.0	12.832	34.869	26.344
180.0	12.818	34.866	26.344
200.0	12.809	34.865	26.345
300.0	12.411	34.841	26.405
400.0	10.856	34.756	26.631

STATION PC5074 : 28 38.7 N 112 42.5 W 16/ 5/84 1930Z 438/ 500m

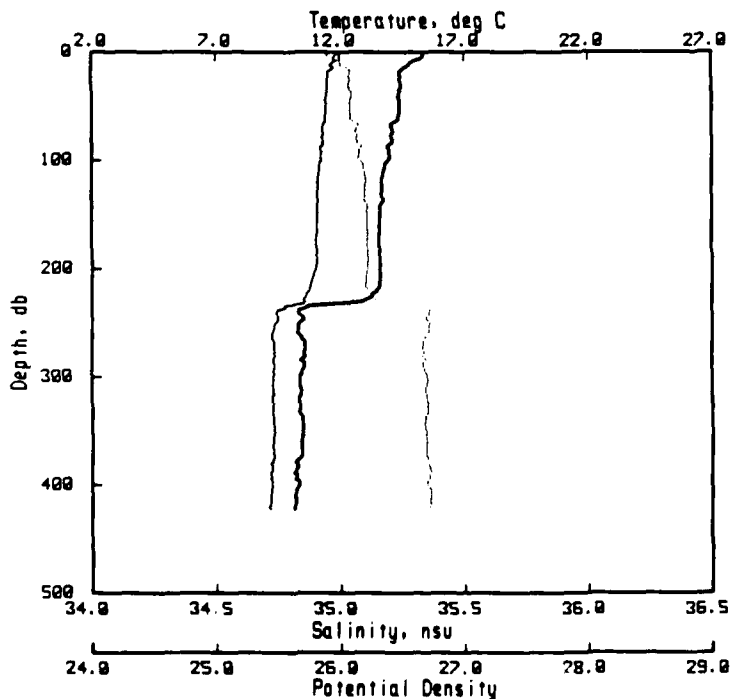
Day: 137.81 SST: 16.3 Tdry: none RH: none Wspd: 7.5 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -28.4km 246.6km
CP-6



PR	THETA	SA	SGTH
10.0	14.332	34.966	26.109
20.0	14.261	34.954	26.115
30.0	14.149	34.939	26.127
40.0	13.830	34.915	26.175
50.0	13.694	34.908	26.198
60.0	13.467	34.897	26.237
70.0	13.276	34.888	26.269
80.0	13.012	34.877	26.314
90.0	12.949	34.871	26.322
100.0	12.919	34.868	26.325
120.0	12.783	34.862	26.348
140.0	12.581	34.853	26.381
160.0	12.436	34.840	26.399
180.0	12.238	34.821	26.423
200.0	11.361	34.784	26.560
300.0	10.175	34.718	26.721
400.0	9.487	34.677	26.806

STATION PC5075 : 28 38.5 N 112 35.3 W 17/ 5/84 53Z 422/ 443m

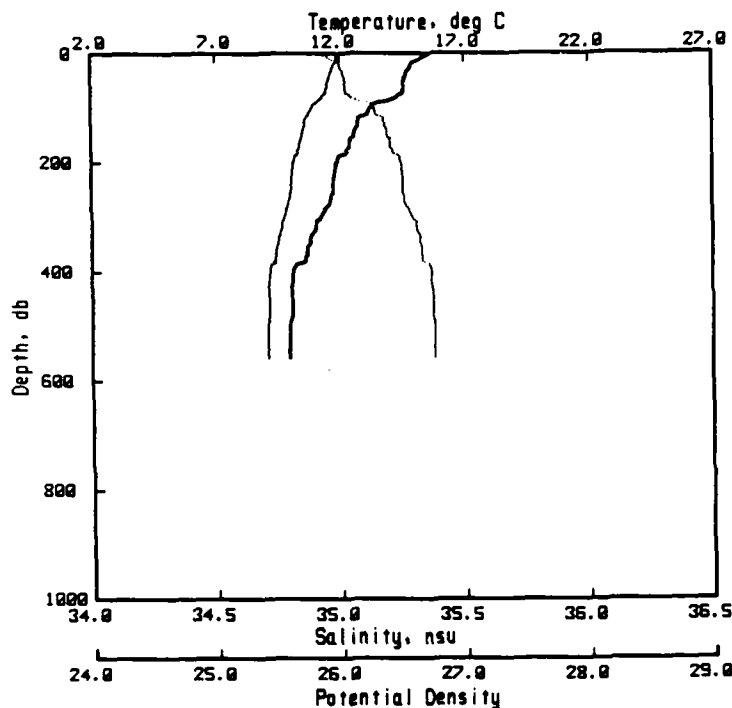
Day: 138.04 SST: 15.6 Tdry: none RH: none Wspd: 10.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -19.1km 239.3km
CP-7



PR	THETA	SA	SGTH
2.0	15.361	34.988	25.901
10.0	14.819	34.969	26.006
20.0	14.412	34.953	26.082
30.0	14.452	34.949	26.070
40.0	14.337	34.943	26.090
50.0	14.382	34.942	26.080
60.0	14.339	34.939	26.086
70.0	14.078	34.928	26.133
80.0	14.096	34.933	26.133
90.0	13.957	34.921	26.153
100.0	13.912	34.924	26.165
120.0	13.665	34.911	26.207
140.0	13.614	34.907	26.214
160.0	13.578	34.907	26.221
180.0	13.583	34.906	26.220
200.0	13.575	34.899	26.216
300.0	10.369	34.729	26.696
400.0	10.344	34.725	26.697

STATION PC5076 : 28 41.0 N 112 42.7 W 17/ 5/84 150Z 557/ 626m

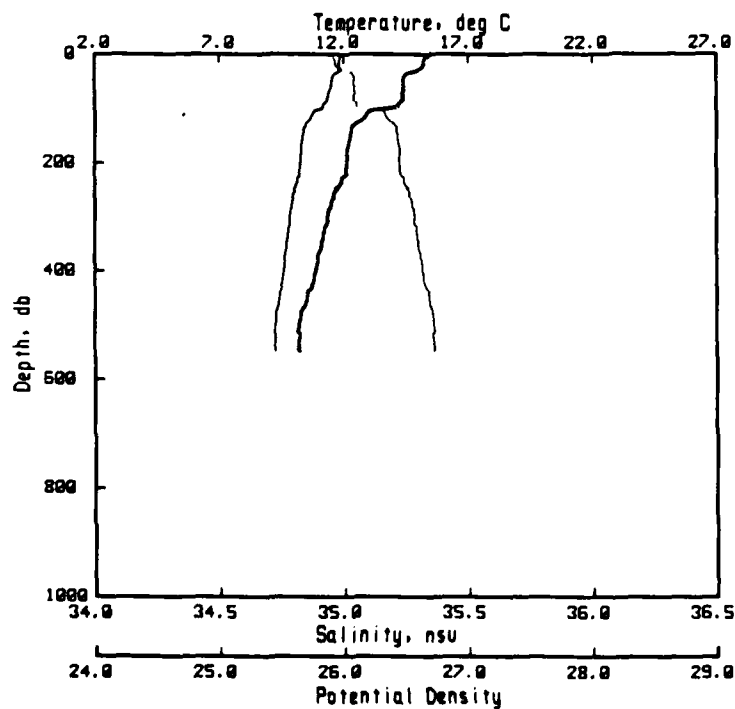
Day: 138.08 SST: 15.8 Tdry: none RH: none Wspd: 11.5 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -26.1km 250.2km
CP-8



PR	THETA	SA	SGTH
2.0	15.548	34.987	25.858
10.0	15.237	34.987	25.928
20.0	14.870	34.976	26.000
30.0	14.788	34.971	26.014
40.0	14.666	34.962	26.034
50.0	14.591	34.957	26.046
60.0	14.575	34.949	26.043
70.0	14.546	34.942	26.044
80.0	14.310	34.928	26.084
90.0	13.571	34.908	26.224
100.0	13.235	34.887	26.276
120.0	12.757	34.862	26.353
140.0	12.606	34.852	26.375
160.0	12.416	34.841	26.404
180.0	12.260	34.831	26.427
200.0	11.844	34.810	26.490
300.0	11.210	34.775	26.581
400.0	10.095	34.717	26.734
500.0	9.940	34.707	26.753

STATION PC5077 : 28 41.5 N 112 43.0 W 17/ 5/84 300Z 551/ 655m

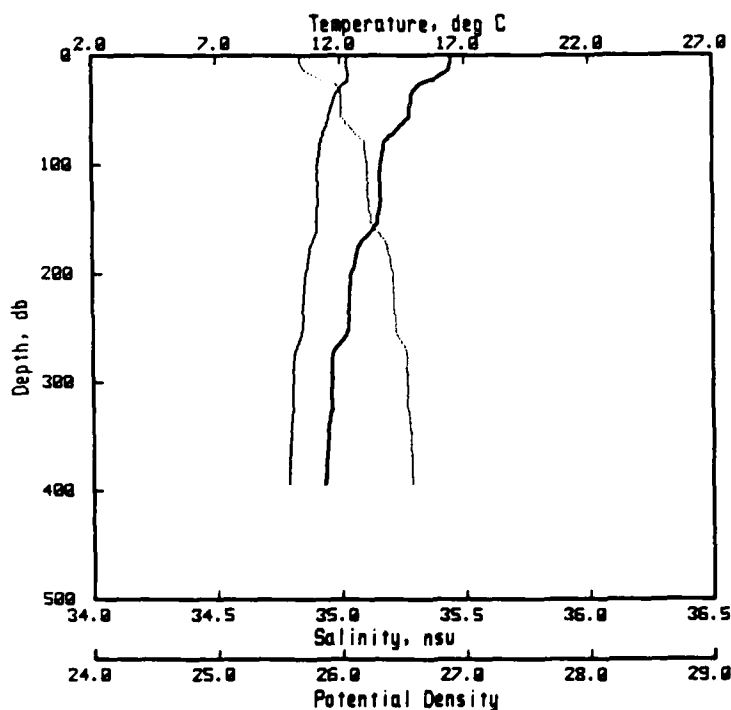
Day: 138.13 SST: 15.6 Tdry: none RH: none Wspd: 10.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -26.0km 251.2km
CP-9



PR	THETA	SA	SGTH
2.0	15.455	34.985	25.878
10.0	15.212	34.983	25.930
20.0	15.197	34.980	25.931
30.0	14.972	34.979	25.980
40.0	14.430	34.957	26.081
50.0	14.396	34.952	26.084
60.0	14.389	34.948	26.083
70.0	14.327	34.938	26.088
80.0	14.329	34.931	26.082
90.0	14.187	34.920	26.104
100.0	13.441	34.906	26.249
120.0	12.708	34.860	26.361
140.0	12.305	34.838	26.423
160.0	12.205	34.831	26.437
180.0	12.133	34.828	26.449
200.0	12.132	34.825	26.447
300.0	11.321	34.783	26.567
400.0	10.864	34.757	26.630
500.0	10.185	34.723	26.723

STATION PC5078 : 28 45.1 N 112 45.2 W 17/ 5/84 412Z 393/ 450m

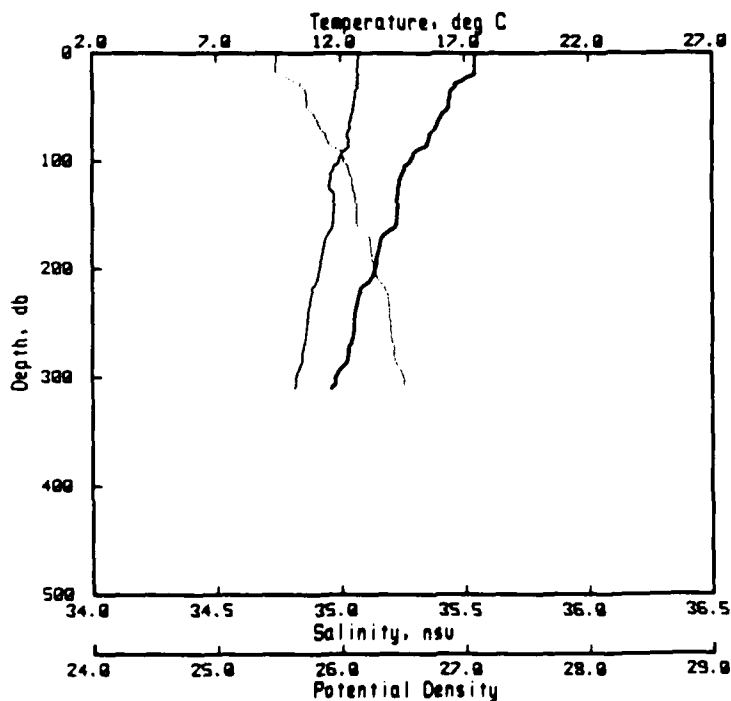
Day: 138.18 SST: 16.6 Tdry: none RH: none Wspd: 11.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -24.9km 258.7km
CP-10



PR	THETA	SA	SGTH
2.0	16.476	35.029	25.680
10.0	16.412	35.028	25.692
20.0	15.914	35.033	25.811
30.0	15.010	34.999	25.987
40.0	14.842	34.973	26.004
50.0	14.785	34.960	26.006
60.0	14.580	34.948	26.042
70.0	14.204	34.933	26.111
80.0	13.737	34.918	26.197
90.0	13.689	34.914	26.204
100.0	13.618	34.908	26.214
120.0	13.594	34.907	26.218
140.0	13.554	34.903	26.223
160.0	13.270	34.901	26.280
180.0	12.660	34.875	26.382
200.0	12.394	34.857	26.421
300.0	11.612	34.806	26.531

STATION PC5079 : 28 47.5 N 112 45.7 W 17/ 5/84 503Z 312/ 392m

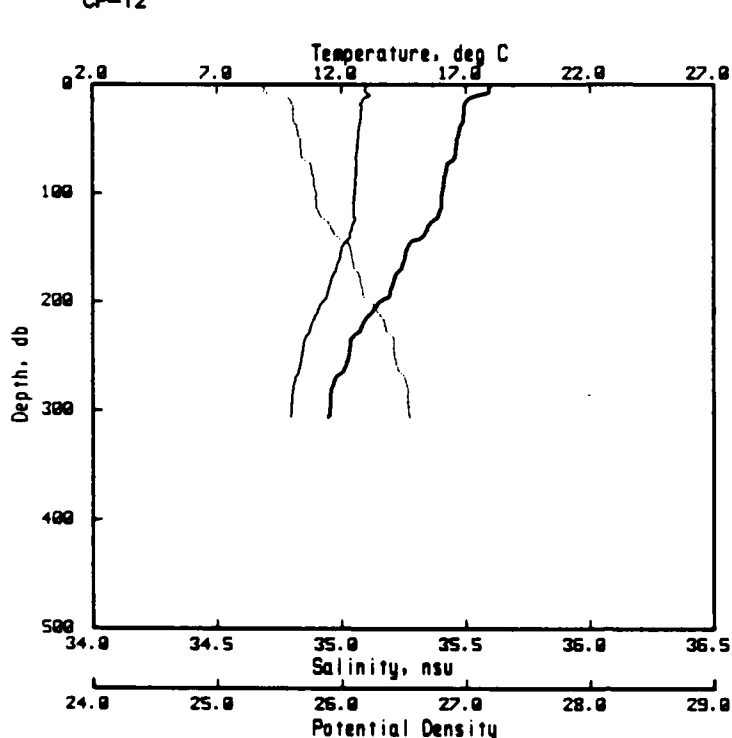
Day: 138.21 SST: 17.6 Tdry: none RH: none Wspd: 6.0 CTD #: 1
27 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -22.9km 262.8km
CP-11



PR	THETA	SA	SGTH
2.0	17.424	35.074	25.488
10.0	17.433	35.070	25.482
20.0	17.334	35.070	25.506
30.0	16.606	35.063	25.674
40.0	16.376	35.056	25.722
50.0	16.331	35.049	25.727
60.0	16.002	35.041	25.797
70.0	15.794	35.037	25.841
80.0	15.549	35.034	25.894
90.0	15.034	35.015	25.994
100.0	14.819	34.993	26.024
120.0	14.368	34.957	26.094
140.0	14.277	34.973	26.126
160.0	14.205	34.966	26.136
180.0	13.551	34.932	26.247
200.0	13.362	34.915	26.272
300.0	11.775	34.820	26.511

STATION PC5080 : 28 50.5 N 112 48.2 W 17/ 5/84 551Z 309/ 355m

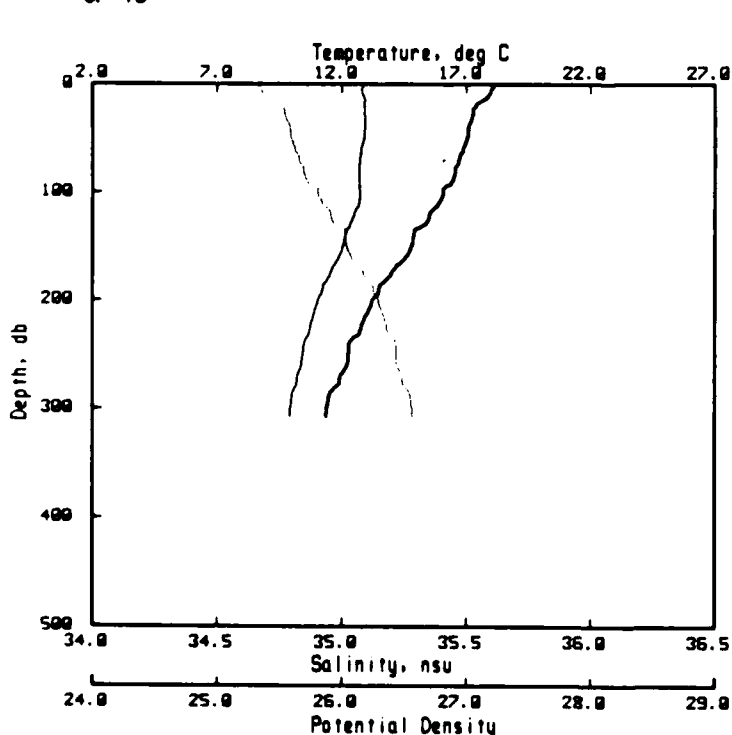
Day: 138.24 SST: 18.2 Tdry: none RH: none Wspd: 7.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -23.0km 269.6km
CP-12



PR	THETA	SA	SGTH
2.0	17.982	35.099	25.371
10.0	17.426	35.116	25.519
20.0	16.927	35.082	25.613
30.0	16.917	35.078	25.612
40.0	16.750	35.070	25.645
50.0	16.636	35.067	25.670
60.0	16.588	35.063	25.678
70.0	16.435	35.062	25.713
80.0	16.201	35.060	25.766
90.0	16.127	35.056	25.780
100.0	16.042	35.054	25.798
120.0	15.898	35.050	25.827
140.0	15.238	35.035	25.965
160.0	14.548	34.992	26.082
180.0	14.104	34.959	26.152
200.0	13.524	34.923	26.245
300.0	11.541	34.798	26.538

STATION PC5081 : 28 51.8 N 112 49.9 W 17/ 5/84 635Z 308/ 370m

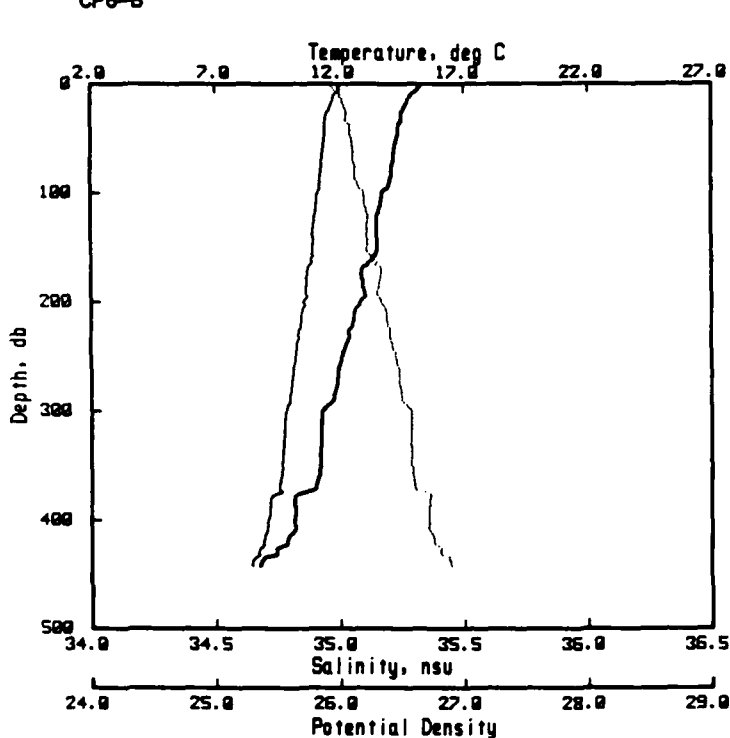
Day: 138.27 SST: 16.5 Tdry: none RH: none Wspd: 7.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -17.2km 282.1km
CP-13



PR	THETA	SA	SGTH
2.0	18.106	35.087	25.331
10.0	17.887	35.085	25.383
20.0	17.375	35.090	25.512
30.0	17.231	35.092	25.548
40.0	17.081	35.093	25.584
50.0	17.019	35.088	25.595
60.0	16.864	35.077	25.624
70.0	16.692	35.070	25.659
80.0	16.540	35.068	25.693
90.0	16.401	35.071	25.728
100.0	16.059	35.072	25.808
120.0	15.510	35.048	25.914
140.0	14.874	35.013	26.028
160.0	14.564	34.988	26.076
180.0	13.795	34.942	26.203
200.0	13.200	34.902	26.295
300.0	11.387	34.793	26.563

STATION PC5082 : 28 34.9 N 112 40.4 W 17/ 5/84 911Z 442/ 589m

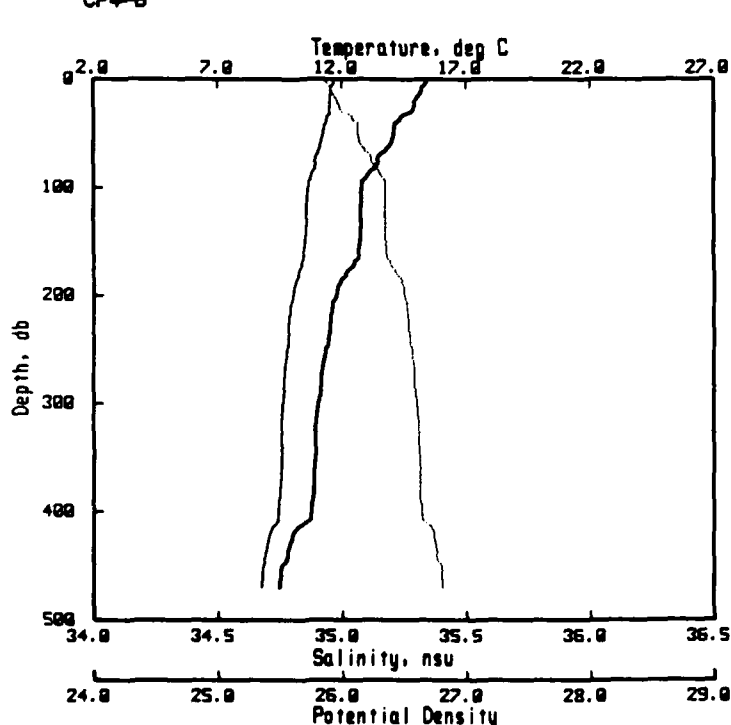
Day: 139.38 SST: 15.7 Tdry: none RH: none Wspd: 99.0 CTD #: 1
28 FEB 86 ANC SST:SHIP TD&TW:S Gulf Co-ords: -29.8km 238.9km
CP6-B



PR	THETA	SA	SGTH
2.0	15.232	35.000	25.939
10.0	14.861	34.979	26.004
20.0	14.652	34.966	26.040
30.0	14.511	34.947	26.056
40.0	14.365	34.941	26.082
50.0	14.298	34.940	26.096
60.0	14.212	34.935	26.110
70.0	14.172	34.930	26.115
80.0	14.104	34.926	26.126
90.0	14.005	34.921	26.143
100.0	13.725	34.912	26.195
120.0	13.517	34.902	26.230
140.0	13.522	34.895	26.224
160.0	13.354	34.885	26.251
180.0	12.931	34.868	26.323
200.0	12.813	34.854	26.336
300.0	11.267	34.781	26.575
400.0	10.170	34.710	26.716

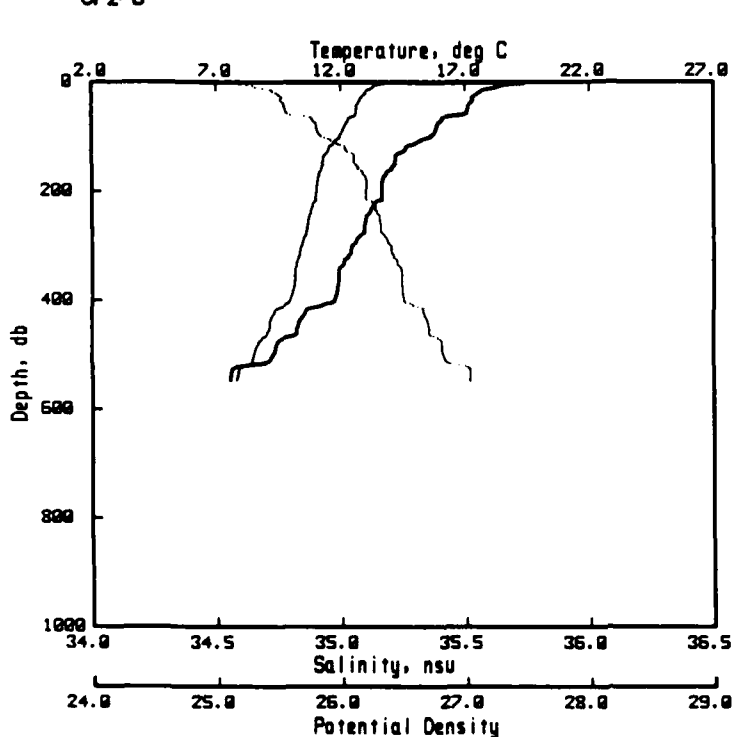
STATION PC5083 : 28 32.6 N 112 37.6 W 17/ 5/84 1022Z 473/ 560m

Day: 138.43 SST: 15.6 Tdry: none RH: none Wspd: 99.0 CTD #: 1
28 FEB 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -28.6km 232.7km
CP4-B



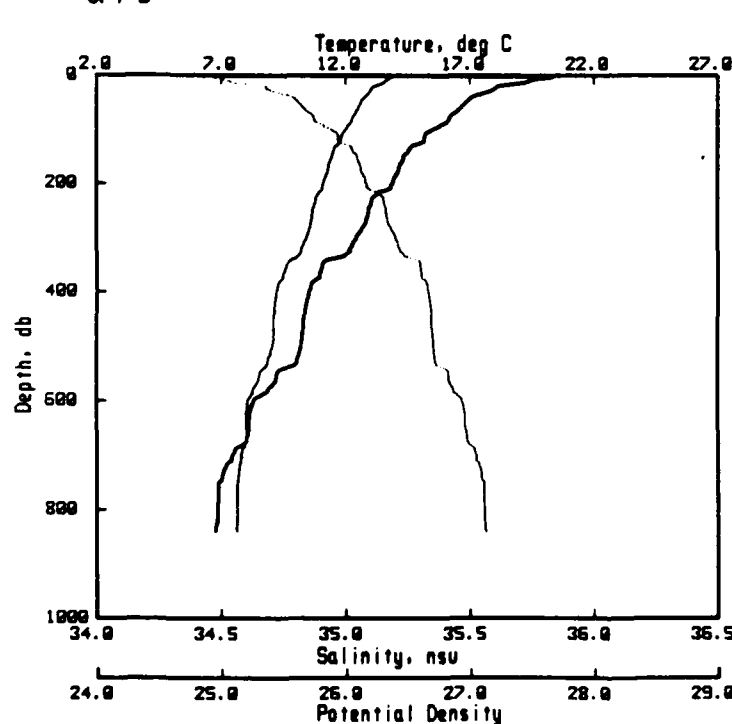
PR	THETA	SA	SGTH
2.0	15.402	34.965	25.874
10.0	15.217	34.957	25.909
20.0	14.933	34.953	25.969
30.0	14.769	34.949	26.001
40.0	14.144	34.937	26.126
50.0	14.079	34.924	26.130
60.0	13.937	34.913	26.151
70.0	13.500	34.898	26.231
80.0	13.374	34.889	26.250
90.0	12.974	34.873	26.318
100.0	12.782	34.862	26.348
120.0	12.762	34.859	26.350
140.0	12.747	34.855	26.350
160.0	12.667	34.846	26.358
180.0	12.160	34.826	26.442
200.0	11.764	34.802	26.499
300.0	11.027	34.761	26.604
400.0	10.753	34.742	26.638

STATION PC5084 : 28 27.3 N 112 35.1 W 17/ 5/84 1200Z 541/ 845m

Day: 138.50 SST: 20.7 Tdry: none RH: none Wspd: 99.0 CTD #: 1
27 FEB 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -34.4km 218.0km
CP2-B

PR	THETA	SA	SGTH
2.0	19.395	35.178	25.074
10.0	18.266	35.127	25.322
20.0	17.522	35.099	25.483
30.0	17.286	35.080	25.525
40.0	17.168	35.070	25.546
50.0	17.100	35.063	25.557
60.0	16.906	35.060	25.601
70.0	16.064	35.029	25.773
80.0	15.878	35.017	25.807
90.0	15.807	35.008	25.816
100.0	15.649	34.995	25.842
120.0	14.631	34.955	26.036
140.0	14.205	34.931	26.109
160.0	14.035	34.921	26.137
180.0	13.658	34.908	26.206
200.0	13.649	34.901	26.202
300.0	12.432	34.840	26.400
400.0	11.714	34.793	26.501
500.0	9.249	34.649	26.823

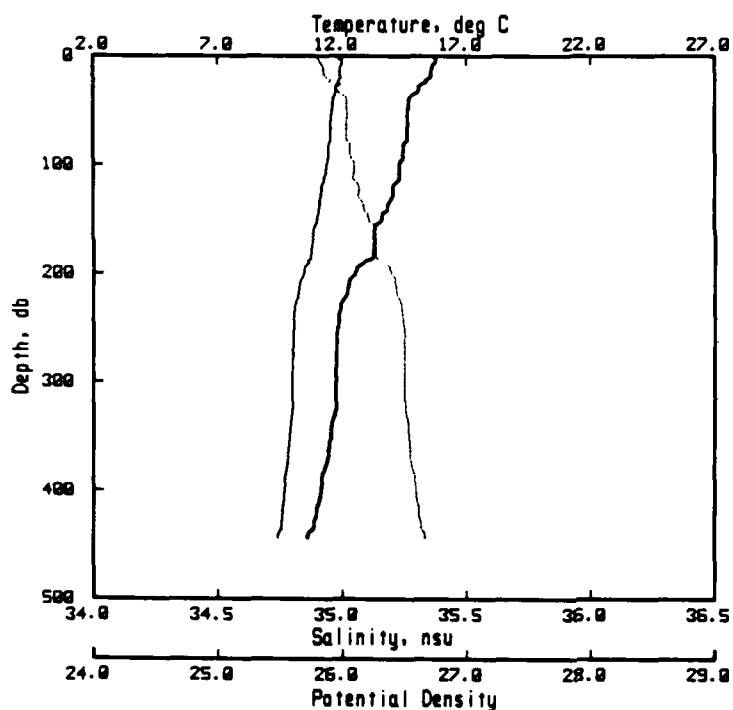
STATION PC5085 : 28 25.1 N 112 29.7 W 17/ 5/84 1325Z 841/ 904m

Day: 138.56 SST: 21.2 Tdry: none RH: none Wspd: 12.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -26.4km 213.9km
CP1-B

PR	THETA	SA	SGTH
2.0	20.363	35.187	24.827
10.0	19.410	35.161	25.057
20.0	18.084	35.114	25.357
30.0	17.758	35.097	25.424
40.0	17.069	35.076	25.574
50.0	16.832	35.061	25.619
60.0	16.606	35.051	25.665
70.0	16.358	35.040	25.714
80.0	16.162	35.026	25.748
90.0	15.907	35.018	25.801
100.0	15.483	35.000	25.883
120.0	15.160	34.979	25.939
140.0	14.515	34.951	26.058
160.0	14.250	34.937	26.104
180.0	14.095	34.926	26.128
200.0	13.857	34.911	26.167
300.0	12.441	34.843	26.401
400.0	10.519	34.722	26.664
500.0	10.203	34.707	26.708
600.0	8.314	34.607	26.938
700.0	7.442	34.582	27.048
800.0	6.850	34.564	27.117

STATION PC5086 : 28 33.9 N 112 37.8 W 17/ 5/84 1532Z 445/ 531m

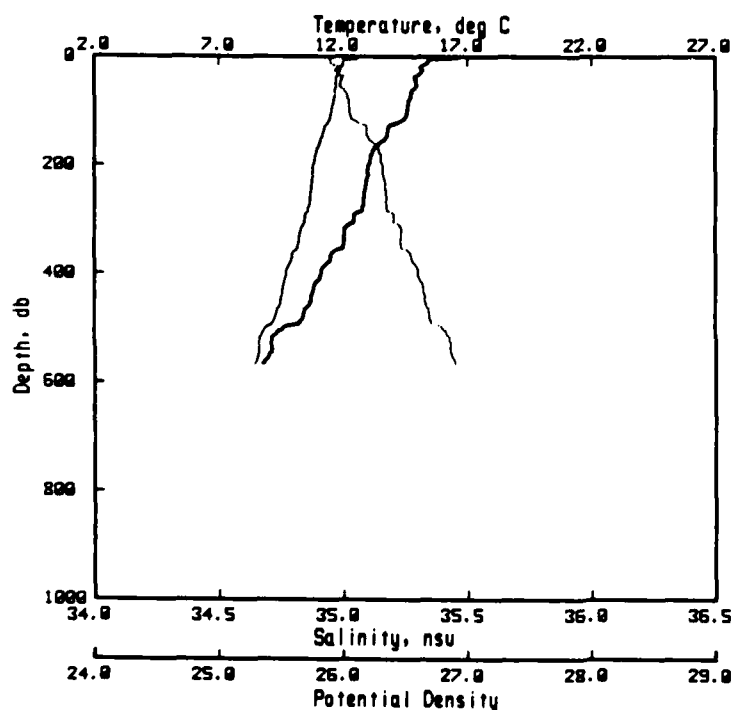
Day: 138.65 SST: 16.2 Tdry: none RH: none Wspd: 99.0 CTD #: 1
28 FEB 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -27.4km 234.9km
CP4-C



PR	THETA	SA	SGTH
2.0	15.760	34.986	25.810
10.0	15.618	34.994	25.848
20.0	15.513	34.993	25.871
30.0	15.067	34.973	25.954
40.0	14.667	34.964	26.035
50.0	14.633	34.959	26.039
60.0	14.638	34.955	26.034
70.0	14.633	34.953	26.034
80.0	14.480	34.949	26.064
90.0	14.458	34.945	26.066
100.0	14.293	34.937	26.095
120.0	14.047	34.918	26.132
140.0	13.804	34.908	26.175
160.0	13.309	34.886	26.261
180.0	13.236	34.873	26.265
200.0	12.478	34.842	26.393
300.0	11.740	34.799	26.501
400.0	11.136	34.768	26.589

STATION PC5087 : 28 31.9 N 112 36.0 W 17/ 5/84 1631Z 568/ 626m

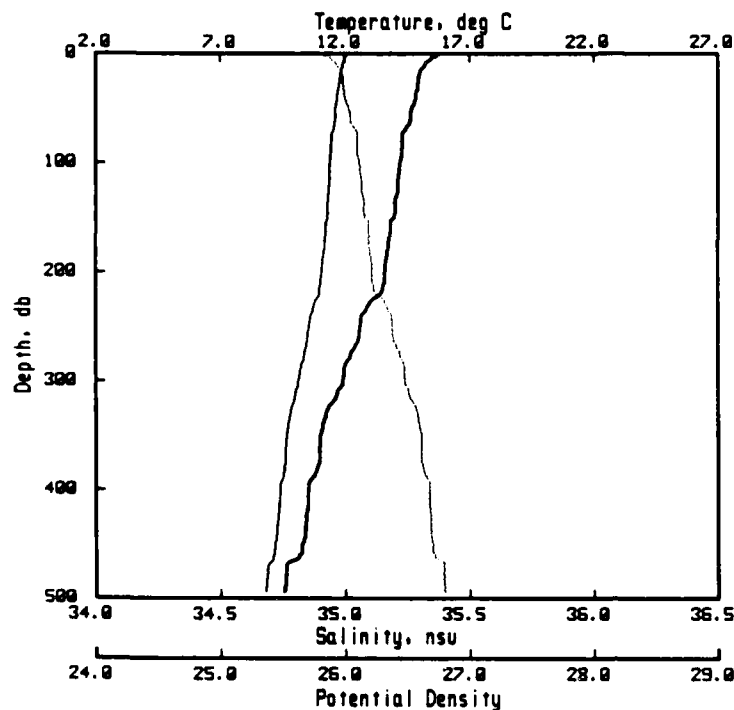
Day: 138.69 SST: 18.1 Tdry: none RH: none Wspd: 4.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -27.2km 230.2km
CP3-B



PR	THETA	SA	SGTH
2.0	16.620	35.019	25.637
10.0	15.400	35.001	25.902
20.0	15.102	34.986	25.957
30.0	15.108	34.981	25.952
40.0	14.917	34.971	25.986
50.0	14.947	34.970	25.979
60.0	14.793	34.968	26.011
70.0	14.695	34.963	26.028
80.0	14.616	34.961	26.044
90.0	14.586	34.955	26.046
100.0	14.560	34.951	26.048
120.0	14.236	34.939	26.108
140.0	13.774	34.918	26.189
160.0	13.416	34.903	26.252
180.0	13.112	34.890	26.304
200.0	12.997	34.878	26.317
300.0	12.424	34.844	26.405
400.0	11.081	34.769	26.600
500.0	9.592	34.687	26.796

STATION PC5088 : 28 30.2 N 112 32.6 W 17/ 5/84 1722Z 496/ 699m

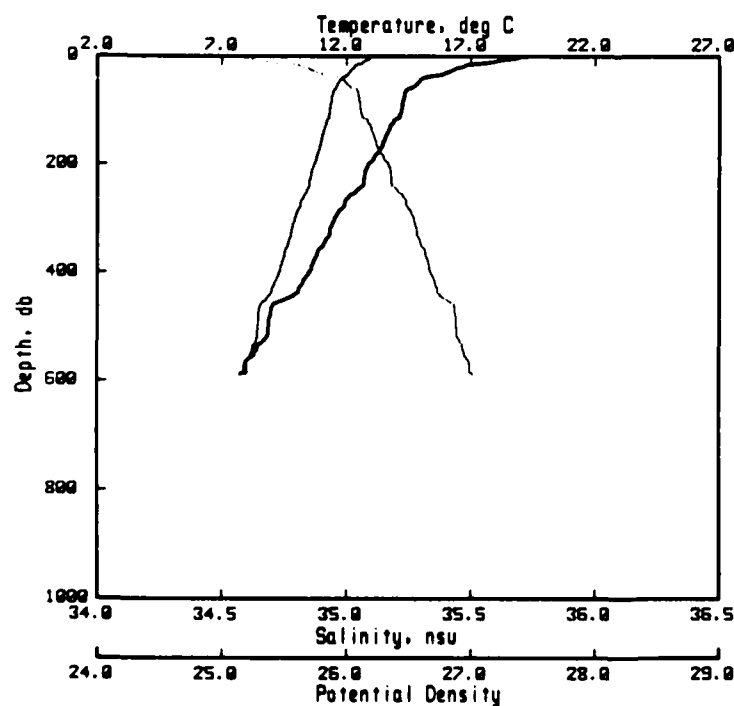
Day: 138.72 SST: 17.3 Tdry: none RH: none Wspd: 99.0 CTD #: 1
28 Feb 86 ANC SST: SHIP TW&TD: S Gulf Co-ords: -24.6km 224.4km
BETWEEN OLD 70 AND 71 ST



PR	THETA	SA	SGTH
2.0	15.674	35.004	25.843
10.0	15.225	34.989	25.932
20.0	14.967	34.981	25.983
30.0	14.919	34.975	25.989
40.0	14.845	34.967	25.999
50.0	14.669	34.960	26.032
60.0	14.612	34.960	26.044
70.0	14.392	34.955	26.087
80.0	14.293	34.945	26.101
90.0	14.286	34.943	26.101
100.0	14.199	34.938	26.115
120.0	14.105	34.936	26.134
140.0	14.007	34.930	26.150
160.0	13.810	34.922	26.185
180.0	13.705	34.918	26.204
200.0	13.610	34.906	26.214
300.0	11.907	34.812	26.480
400.0	10.524	34.739	26.677

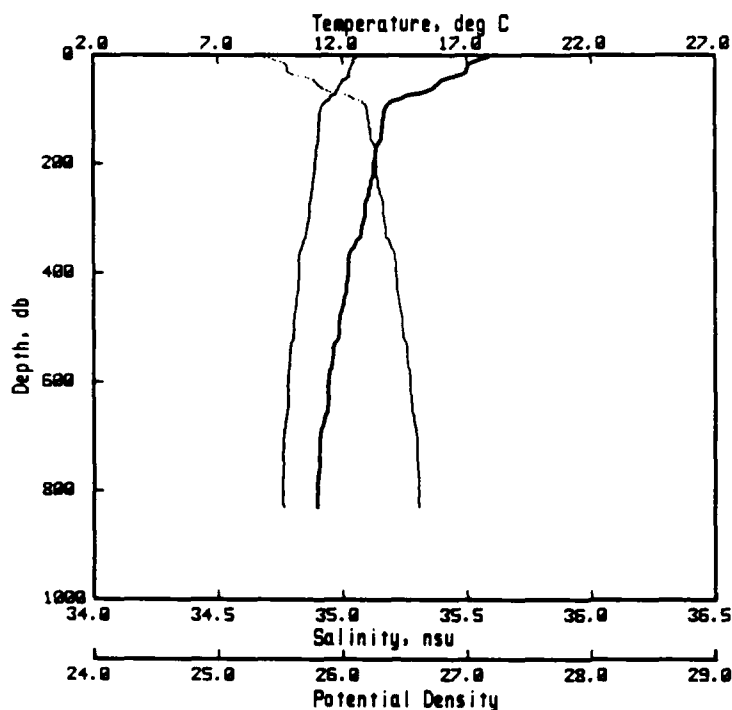
STATION PC5089 : 28 28.5 N 112 31.0 W 17/ 5/84 1812Z 593/ 809m

Day: 138.76 SST: 22.6 Tdry: none RH: none Wspd: 2.0 CTD #: 1
28 FEB 86 ANC T: SHIP POS: SHL Gulf Co-ords: -24.3km 220.3km



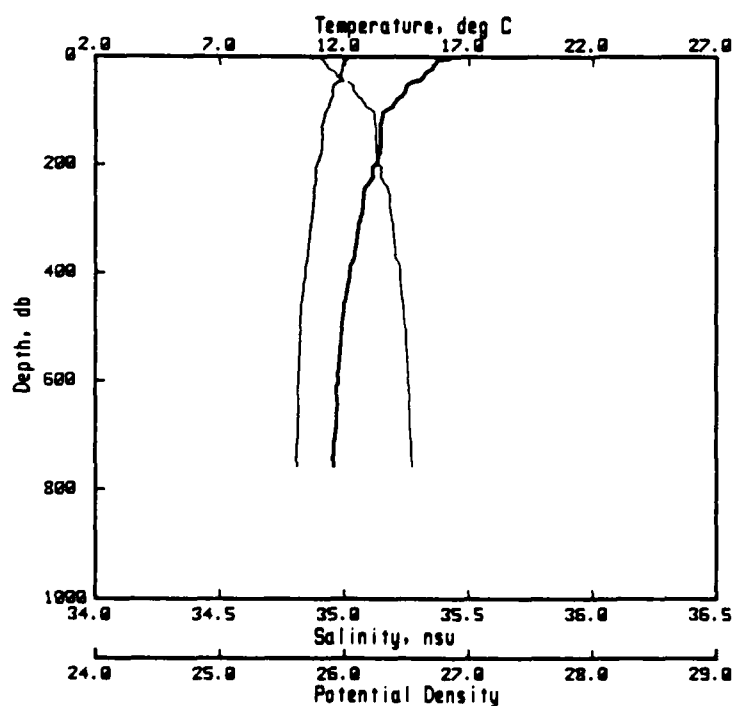
PR	THETA	SA	SGTH
2.0	18.966	35.095	25.121
10.0	17.913	35.066	25.362
20.0	16.591	35.034	25.655
30.0	16.052	35.011	25.762
40.0	15.063	34.983	25.963
50.0	14.822	34.964	26.001
60.0	14.453	34.957	26.076
70.0	14.314	34.943	26.095
80.0	14.277	34.939	26.100
90.0	14.227	34.935	26.107
100.0	14.181	34.932	26.115
120.0	13.883	34.919	26.167
140.0	13.647	34.908	26.208
160.0	13.462	34.895	26.236
180.0	13.200	34.884	26.281
200.0	12.870	34.868	26.335
300.0	11.504	34.792	26.540
400.0	10.470	34.729	26.678
500.0	8.862	34.643	26.881

STATION PC5090 : 28 34.6 N 112 49.8 W 18/ 5/84 515Z 833/ 882m

Day: 139.22 SST: 18.1 Tdry: none RH: none Wspd: 8.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -42.6km 247.5km

PR	THETA	SA	SGTH
2.0	17.895	35.048	25.353
10.0	17.399	35.042	25.469
20.0	17.023	35.036	25.555
30.0	16.977	35.026	25.558
40.0	16.333	35.022	25.706
50.0	15.874	34.997	25.792
60.0	15.644	34.985	25.835
70.0	15.116	34.976	25.946
80.0	14.345	34.948	26.092
90.0	13.814	34.925	26.186
100.0	13.704	34.915	26.202
120.0	13.627	34.909	26.213
140.0	13.570	34.905	26.222
160.0	13.449	34.901	26.244
180.0	13.338	34.895	26.262
200.0	13.264	34.890	26.273
300.0	12.870	34.865	26.333
400.0	12.219	34.824	26.429
500.0	11.856	34.803	26.482
600.0	11.428	34.781	26.546
700.0	11.081	34.763	26.595
800.0	10.982	34.759	26.610

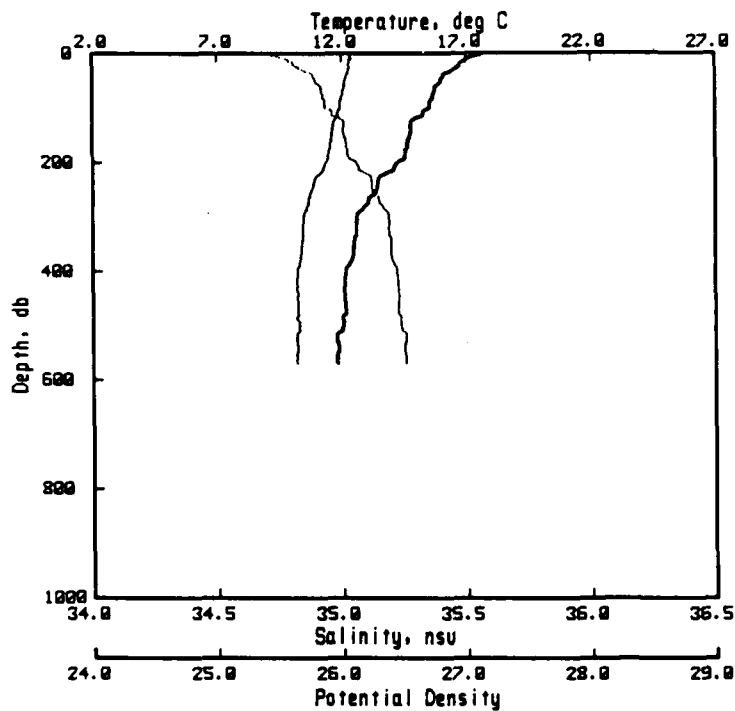
STATION PC5091 : 28 30.4 N 112 43.1 W 18/ 5/84 652Z 769/ 838m

Day: 139.29 SST: 16.9 Tdry: none RH: none Wspd: 6.5 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -38.3km 234.8km

PR	THETA	SA	SGTH
2.0	16.243	34.994	25.705
10.0	15.675	34.994	25.835
20.0	15.540	34.989	25.862
30.0	15.235	34.986	25.927
40.0	15.089	34.987	25.961
50.0	14.587	34.965	26.053
60.0	14.462	34.952	26.070
70.0	14.339	34.954	26.098
80.0	14.082	34.945	26.146
90.0	13.959	34.938	26.166
100.0	13.594	34.927	26.234
120.0	13.494	34.916	26.246
140.0	13.438	34.910	26.253
160.0	13.438	34.910	26.253
180.0	13.389	34.904	26.258
200.0	13.244	34.890	26.277
300.0	12.649	34.870	26.381
400.0	12.206	34.842	26.446
500.0	11.895	34.823	26.490
600.0	11.747	34.817	26.514
700.0	11.635	34.813	26.532

STATION PC5092 : 28 27.6 N 112 39.4 W 18/ 5/84 845Z 571/ 589m

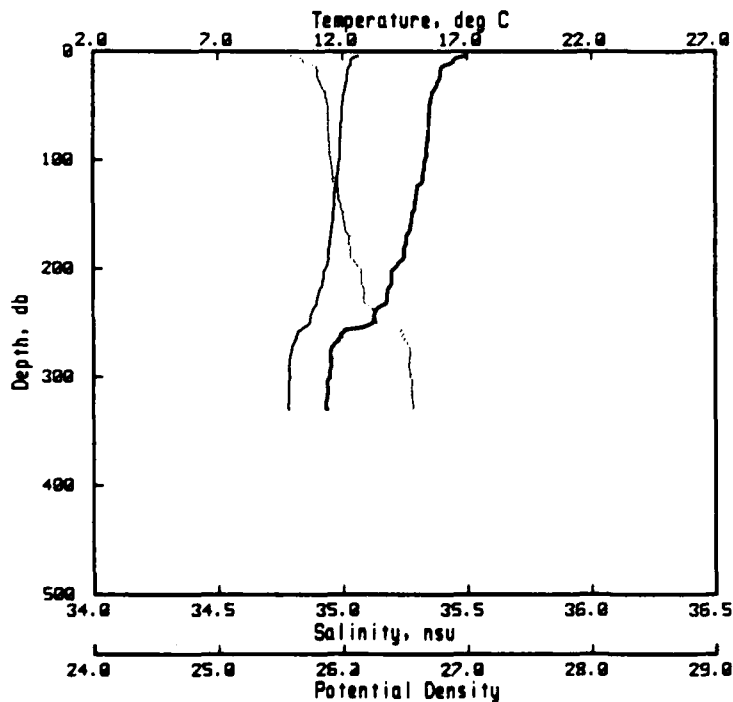
Day: 140.36 SST: 18.4 Tdry: none RH: none Wspd: 99.0 CTD #: 1
28 FEB 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -36.5km 227.0km



PR	THETA	SA	SGTH
2.0	17.632	35.037	25.409
10.0	17.039	35.041	25.555
20.0	16.740	35.030	25.617
30.0	16.460	35.028	25.681
40.0	16.061	35.018	25.766
50.0	15.954	35.011	25.785
60.0	15.740	35.010	25.833
70.0	15.698	35.003	25.837
80.0	15.647	34.999	25.845
90.0	15.543	34.994	25.865
100.0	15.516	34.991	25.869
120.0	14.899	34.974	25.992
140.0	14.761	34.963	26.014
160.0	14.662	34.958	26.031
180.0	14.559	34.949	26.047
200.0	14.197	34.934	26.113
300.0	12.590	34.846	26.374
400.0	12.142	34.821	26.442
500.0	12.017	34.829	26.472

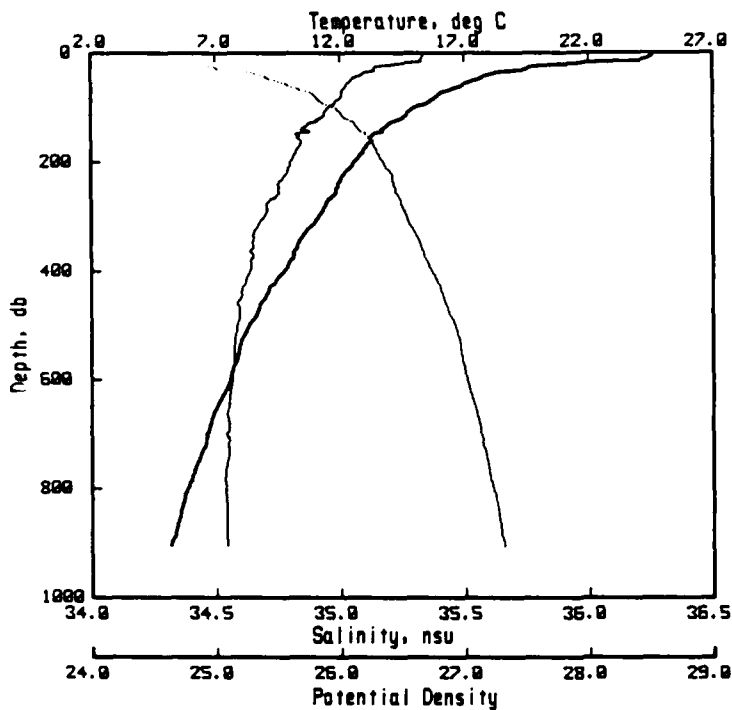
STATION PC5093 : 28 24.5 N 112 35.9 W 18/ 5/84 1008Z 330/ 421m

Day: 139.42 SST: 19.5 Tdry: none RH: none Wspd: 6.0 CTD #: 1
28 FEB 86 ANC Temperatures:SH Gulf Co-ords: -35.2km 219.0km



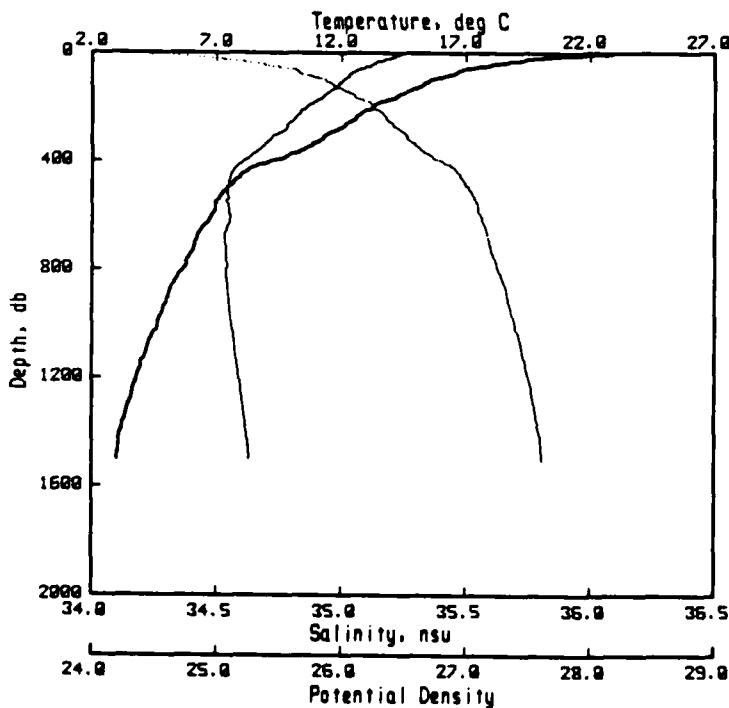
PR	THETA	SA	SGTH
10.0	16.437	35.032	25.689
20.0	15.926	35.019	25.797
30.0	15.788	35.012	25.823
40.0	15.576	35.002	25.864
50.0	15.486	34.999	25.881
60.0	15.472	34.997	25.883
70.0	15.448	34.993	25.885
80.0	15.421	34.991	25.890
90.0	15.370	34.989	25.900
100.0	15.327	34.988	25.909
120.0	15.221	34.979	25.925
140.0	14.901	34.966	25.986
160.0	14.728	34.956	26.016
180.0	14.472	34.946	26.063
200.0	14.026	34.932	26.147
300.0	11.480	34.789	26.542

STATION PC5094 : 27 39.4 N 111 26.8 W 19/ 5/84 1425Z 907/1000m

Day: 140.60 SST: 24.5 Tdry: none RH: none Wspd: 4.0 CTD #: 1
28 FEB 86 ANC Temperatures:SHI Gulf Co-ords: 7.2km 84.9km

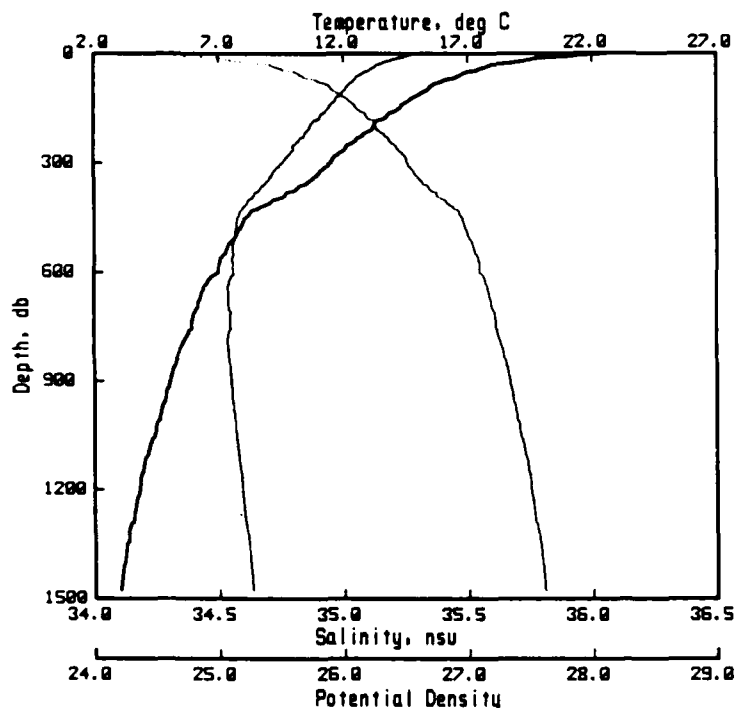
PR	THETA	SA	SGTH
10.0	24.377	35.328	23.798
20.0	21.432	35.231	24.571
30.0	19.475	35.136	25.022
40.0	17.939	35.085	25.370
50.0	17.348	35.044	25.483
60.0	16.853	35.024	25.586
70.0	16.199	35.010	25.728
80.0	15.850	35.004	25.803
90.0	15.540	34.980	25.855
100.0	14.946	34.951	25.964
120.0	14.459	34.920	26.046
140.0	13.679	34.844	26.152
160.0	13.265	34.844	26.237
180.0	12.907	34.823	26.293
200.0	12.545	34.799	26.346
300.0	11.116	34.694	26.535
400.0	9.718	34.636	26.735
500.0	8.311	34.584	26.921
600.0	7.572	34.563	27.014
700.0	6.625	34.541	27.129
800.0	5.852	34.539	27.229
900.0	5.194	34.544	27.313

STATION PC5095 : 27 41.4 N 111 49.3 W 20/ 5/84 1621Z 1508/1653m

Day: 141.68 SST: 24.1 Tdry: none RH: none Wspd: 7.5 CTD #: 1
28 FEB 86 ANC Temperatures:SHI Y3-1 Gulf Co-ords: -20.6km 109.7km

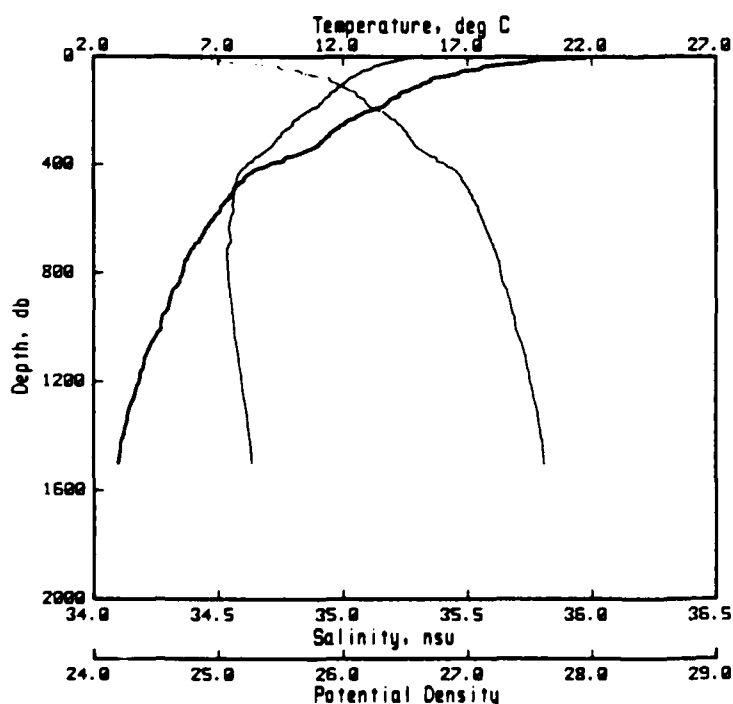
PR	THETA	SA	SGTH
10.0	21.070	35.207	24.652
20.0	19.885	35.206	24.968
30.0	19.007	35.160	25.160
40.0	18.231	35.134	25.336
50.0	17.710	35.114	25.449
60.0	16.920	35.073	25.607
70.0	16.644	35.050	25.655
80.0	16.456	35.035	25.687
90.0	15.995	35.026	25.787
100.0	15.546	35.007	25.874
120.0	15.220	34.985	25.930
140.0	14.682	34.955	26.025
160.0	14.203	34.926	26.105
180.0	13.577	34.894	26.212
200.0	13.220	34.860	26.258
300.0	11.458	34.743	26.511
400.0	9.119	34.604	26.809
500.0	7.405	34.544	27.024
600.0	6.785	34.553	27.117
700.0	6.129	34.533	27.189
800.0	5.630	34.537	27.255
900.0	5.040	34.547	27.333
1000.0	4.617	34.558	27.390
1100.0	4.172	34.573	27.450
1200.0	3.803	34.590	27.502
1300.0	3.438	34.606	27.551
1400.0	3.136	34.621	27.592
1500.0	2.999	34.630	27.612

STATION PC5096 : 27 41.9 N 111 50.2 W 20/ 5/84 1746Z 1478/1638m

Day: 141.74 SST: 24.2 Tdry: none RH: none Wspd: 99.0 CTD #: 1
28 FEB 86 ANC SST:SHIP POS:SH Gulf Co-ords: -21.2km 111.3km
Y3-2

PR	THETA	SA	SGTH
2.0	22.561	35.280	24.292
10.0	20.372	35.246	24.869
20.0	19.296	35.183	25.104
30.0	18.045	35.143	25.389
40.0	17.599	35.117	25.478
50.0	16.982	35.086	25.603
60.0	16.685	35.063	25.655
70.0	16.220	35.046	25.751
80.0	15.803	35.033	25.836
90.0	15.500	35.016	25.891
100.0	15.376	35.005	25.911
120.0	14.793	34.976	26.017
140.0	14.359	34.950	26.090
160.0	14.011	34.926	26.146
180.0	13.606	34.899	26.209
200.0	13.214	34.867	26.265
300.0	11.486	34.757	26.516
400.0	9.261	34.627	26.804
500.0	7.683	34.564	26.999
600.0	6.982	34.559	27.095
700.0	6.099	34.540	27.198
800.0	5.534	34.538	27.267
900.0	5.030	34.549	27.336
1000.0	4.634	34.563	27.392
1100.0	4.157	34.578	27.456
1200.0	3.821	34.594	27.504
1300.0	3.435	34.610	27.555
1400.0	3.190	34.624	27.589

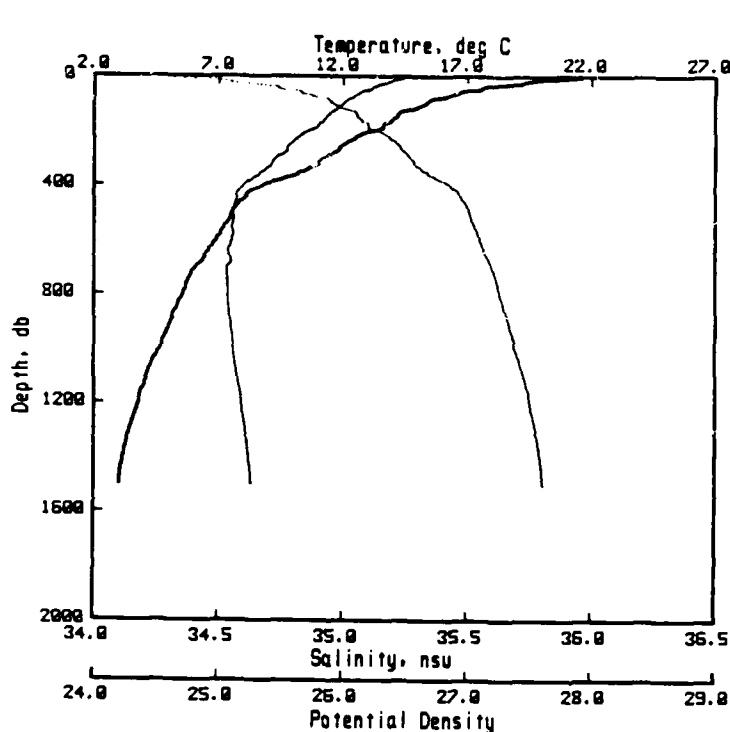
STATION PC5097 : 27 41.9 N 111 50.2 W 20/ 5/84 1846Z 1503/1624m

Day: 141.78 SST: 24.4 Tdry: none RH: none Wspd: 99.0 CTD #: 1
05 JUN 86 ACC SST:SHIP POS:SH Gulf Co-ords: -21.2km 111.3km
Y3-3

PR	THETA	SA	SGTH
10.0	20.343	35.232	24.866
20.0	19.321	35.188	25.101
30.0	18.197	35.147	25.354
40.0	17.562	35.118	25.488
50.0	16.949	35.090	25.614
60.0	16.651	35.068	25.667
70.0	16.200	35.050	25.758
80.0	15.548	35.024	25.887
90.0	15.455	35.015	25.901
100.0	15.151	35.000	25.957
120.0	14.720	34.975	26.032
140.0	14.259	34.946	26.109
160.0	13.870	34.921	26.172
180.0	13.662	34.902	26.200
200.0	13.102	34.865	26.286
300.0	11.303	34.740	26.537
400.0	9.045	34.615	26.830
500.0	7.596	34.563	27.011
600.0	6.783	34.550	27.115
700.0	6.033	34.540	27.206
800.0	5.550	34.539	27.266
900.0	5.026	34.549	27.336
1000.0	4.687	34.562	27.385
1100.0	4.101	34.580	27.463
1200.0	3.824	34.593	27.502
1300.0	3.417	34.611	27.557
1400.0	3.186	34.624	27.590
1500.0	2.989	34.635	27.617

STATION PC5098 : 27 42.1 N 111 50.1 W 20/ 5/84 1946Z 1502/1609m

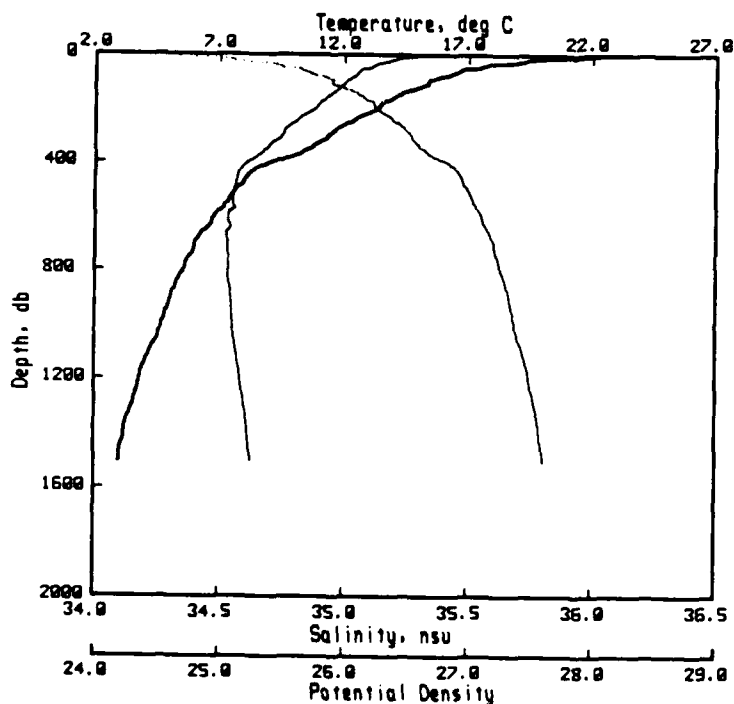
Day: 141.82 SST: 24.2 Tdry: none RH: none Wspd: 99.0 CTD #: 1
28 FEB 86 ANC SST:SHIP POS:SH Gulf Co-ords: -20.9km 111.5km
Y3-4



PR	THETA	SA	SGTH
10.0	20.539	35.227	24.810
20.0	19.327	35.181	25.094
30.0	18.366	35.144	25.310
40.0	17.616	35.120	25.476
50.0	17.369	35.102	25.522
60.0	16.666	35.067	25.663
70.0	16.234	35.049	25.750
80.0	15.818	35.038	25.836
90.0	15.464	35.013	25.897
100.0	15.309	35.002	25.923
120.0	14.832	34.976	26.008
140.0	14.212	34.943	26.117
160.0	13.990	34.925	26.150
180.0	13.639	34.902	26.205
200.0	13.294	34.864	26.247
300.0	11.269	34.731	26.536
400.0	8.783	34.602	26.861
500.0	7.544	34.560	27.016
600.0	6.923	34.554	27.099
700.0	6.093	34.535	27.195
800.0	5.579	34.539	27.262
900.0	5.075	34.547	27.329
1000.0	4.668	34.561	27.387
1100.0	4.129	34.577	27.458
1200.0	3.800	34.592	27.504
1300.0	3.431	34.608	27.553
1400.0	3.166	34.622	27.590
1500.0	3.031	34.632	27.610

STATION PC5099 : 27 41.9 N 111 49.5 W 20/ 5/84 2113Z 1507/1605m

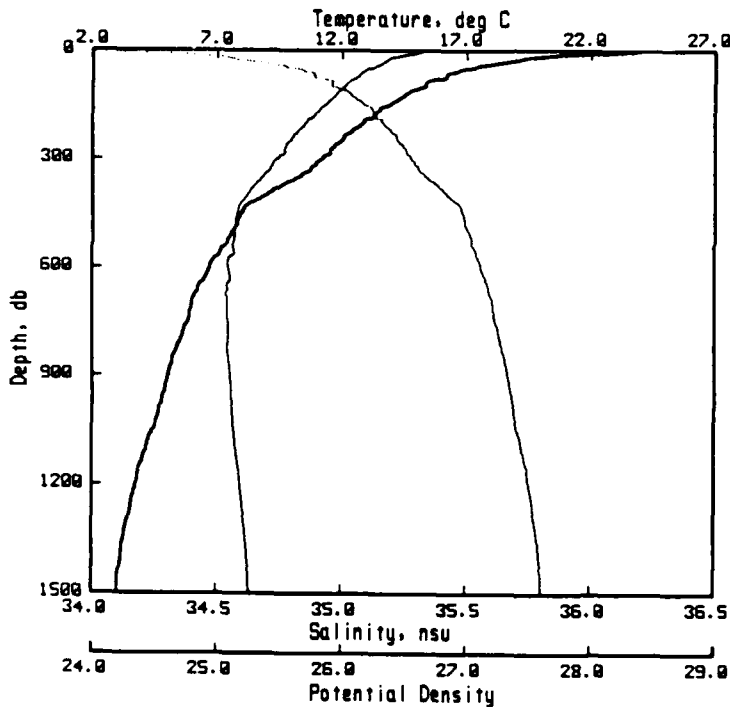
Day: 141.88 SST: 25.3 Tdry: none RH: none Wspd: 99.0 CTD #: 1
3 MAR 86 ANC SST:SHIP POS:SHL Gulf Co-ords: -20.3km 111.1km
Y3-5



PR	THETA	SA	SGTH
10.0	20.633	35.251	24.803
20.0	19.294	35.188	25.108
30.0	18.290	35.148	25.332
40.0	17.702	35.120	25.455
50.0	17.031	35.090	25.594
60.0	16.646	35.061	25.663
70.0	16.341	35.051	25.726
80.0	15.907	35.039	25.817
90.0	15.500	35.019	25.894
100.0	15.389	35.006	25.909
120.0	15.045	34.986	25.969
140.0	14.335	34.953	26.098
160.0	13.946	34.926	26.160
180.0	13.505	34.899	26.230
200.0	13.339	34.882	26.251
300.0	11.368	34.750	26.533
400.0	9.030	34.610	26.828
500.0	7.680	34.560	26.996
600.0	6.774	34.535	27.105
700.0	5.998	34.533	27.205
800.0	5.579	34.538	27.262
900.0	5.042	34.546	27.332
1000.0	4.675	34.554	27.380
1100.0	4.203	34.569	27.444
1200.0	3.829	34.586	27.496
1300.0	3.498	34.601	27.541
1400.0	3.206	34.616	27.581
1500.0	3.009	34.627	27.608

STATION PC5100 : 27 43.3 N 111 52.1 W 20/ 5/84 2231Z 1498/1609m

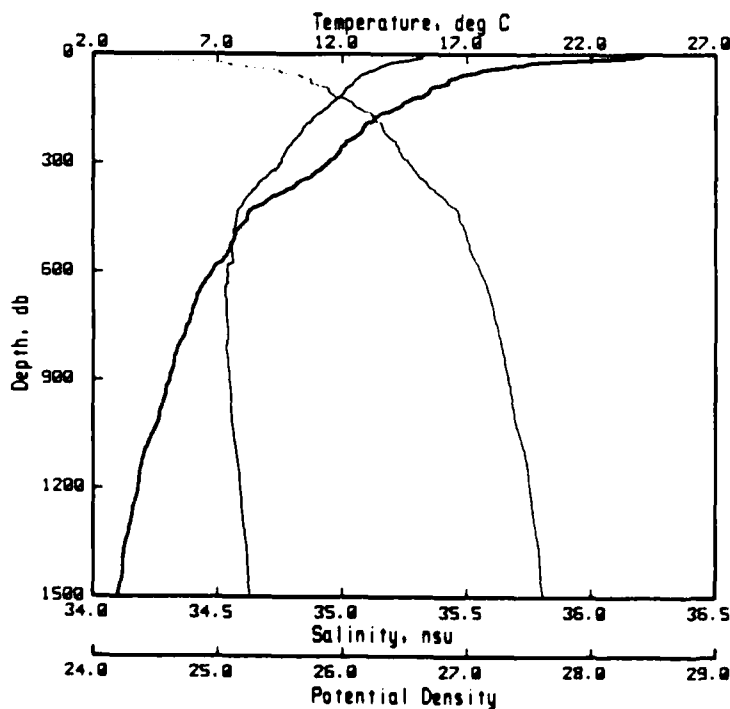
Day: 141.94 SST: 24.9 Tdry: none RH: none Wspd: 99.0 CTD #: 1
04 MAR 86 ANC SST:SHIP POS:SH Gulf Co-ords: -22.2km 115.3km
Y3-6



PR	THETA	SA	SGTH
2.0	23.858	35.306	23.935
10.0	21.346	35.274	24.627
20.0	19.395	35.193	25.086
30.0	18.638	35.171	25.262
40.0	17.651	35.146	25.488
50.0	16.975	35.107	25.620
60.0	16.530	35.084	25.708
70.0	16.177	35.066	25.776
80.0	15.730	35.043	25.860
90.0	15.370	35.022	25.925
100.0	15.322	35.010	25.927
120.0	14.553	34.978	26.070
140.0	14.107	34.947	26.142
160.0	13.520	34.913	26.238
180.0	13.290	34.891	26.268
200.0	12.855	34.856	26.329
300.0	11.176	34.738	26.559
400.0	8.944	34.620	26.850
500.0	7.592	34.568	27.015
600.0	6.728	34.546	27.120
700.0	5.991	34.542	27.213
800.0	5.529	34.544	27.273
900.0	5.040	34.553	27.338
1000.0	4.664	34.562	27.388
1100.0	4.186	34.577	27.452
1200.0	3.755	34.595	27.511
1300.0	3.422	34.611	27.557
1400.0	3.174	34.624	27.591

STATION PC5101 : 27 43.1 N 111 52.6 W 20/ 5/84 2355Z 1492/1551m

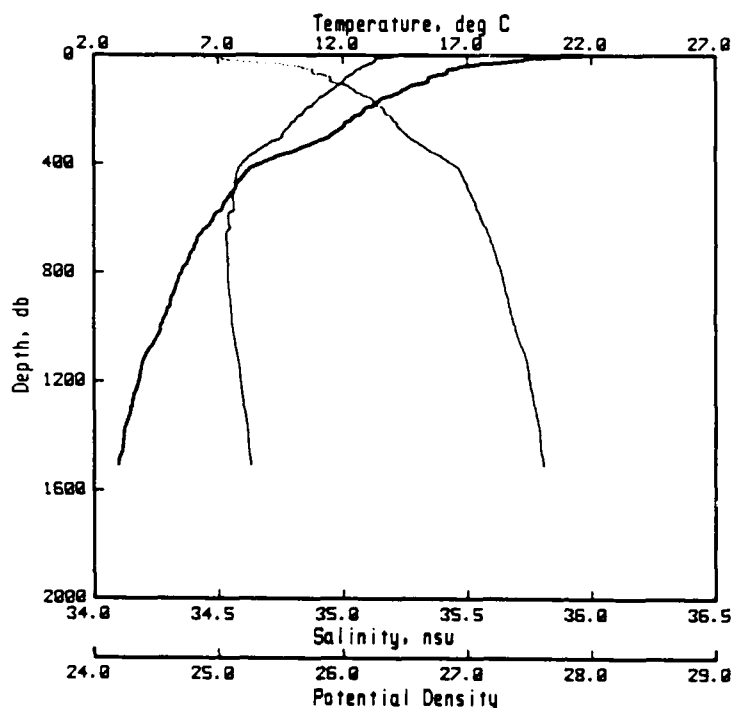
Day: 142.00 SST: 25.2 Tdry: none RH: none Wspd: 8.0 CTD #: 1
4 MAR 86 ANC Temperatures:SH Gulf Co-ords: -23.1km 115.4km
Y3-7



PR	THETA	SA	SGTH
10.0	23.584	35.321	24.027
20.0	20.582	35.236	24.806
30.0	19.224	35.170	25.112
40.0	18.140	35.137	25.361
50.0	17.426	35.103	25.509
60.0	16.706	35.071	25.656
70.0	16.265	35.051	25.744
80.0	16.233	35.043	25.745
90.0	15.693	35.023	25.853
100.0	15.483	35.008	25.889
120.0	14.879	34.981	26.002
140.0	14.357	34.945	26.087
160.0	13.711	34.912	26.198
180.0	13.261	34.879	26.265
200.0	12.850	34.846	26.322
300.0	11.393	34.750	26.528
400.0	9.036	34.610	26.827
500.0	7.688	34.565	26.999
600.0	6.754	34.538	27.110
700.0	5.994	34.535	27.207
800.0	5.472	34.538	27.275
900.0	5.059	34.547	27.331
1000.0	4.668	34.556	27.383
1100.0	4.060	34.575	27.464
1200.0	3.787	34.589	27.503
1300.0	3.474	34.604	27.546
1400.0	3.185	34.619	27.586

STATION PC5102 : 27 43.5 N 111 52.8 W 21/ 5/84 101Z 1509/1562m

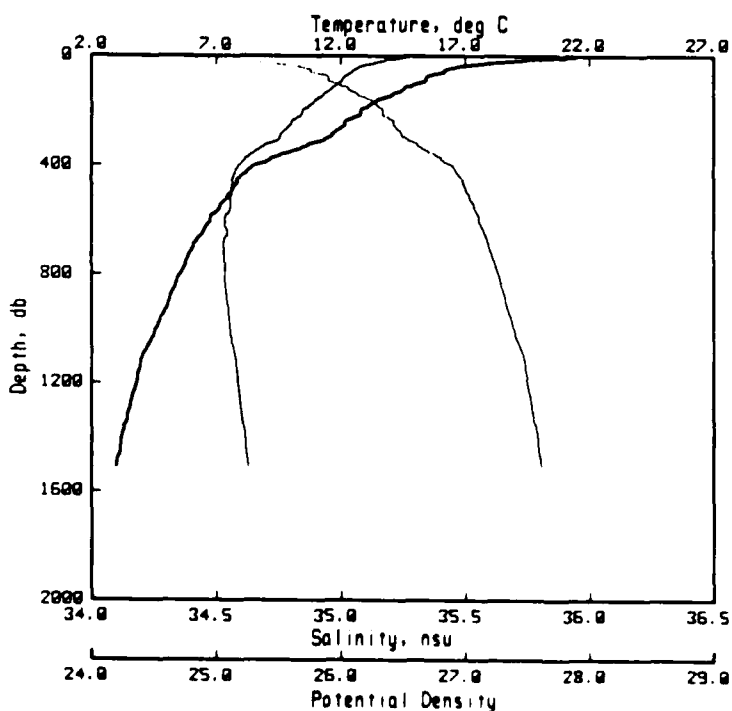
Day: 142.04 SST: 24.7 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 4 MAR 86 ANC SST:SHIP POS:SH Gulf Co-ords: -22.9km 116.2km
 Y3-8



PR	THETA	SA	SGTH
10.0	19.993	35.144	24.892
20.0	19.173	35.129	25.094
30.0	17.973	35.114	25.384
40.0	16.919	35.085	25.617
50.0	16.450	35.068	25.714
60.0	16.200	35.049	25.757
70.0	15.979	35.037	25.799
80.0	15.511	35.017	25.890
90.0	15.426	35.006	25.900
100.0	15.347	35.000	25.913
120.0	14.597	34.966	26.052
140.0	14.190	34.939	26.118
160.0	13.543	34.903	26.226
180.0	13.271	34.881	26.264
200.0	12.837	34.849	26.327
300.0	11.486	34.759	26.518
400.0	8.670	34.597	26.875
500.0	7.591	34.564	27.012
600.0	6.786	34.540	27.107
700.0	6.038	34.536	27.203
800.0	5.504	34.538	27.271
900.0	5.084	34.547	27.328
1000.0	4.674	34.556	27.382
1100.0	4.083	34.575	27.461
1200.0	3.782	34.589	27.503
1300.0	3.473	34.604	27.546
1400.0	3.193	34.618	27.584
1500.0	2.984	34.630	27.613

STATION PC5103 : 27 43.8 N 111 52.3 W 21/ 5/84 213Z 1507/1567m

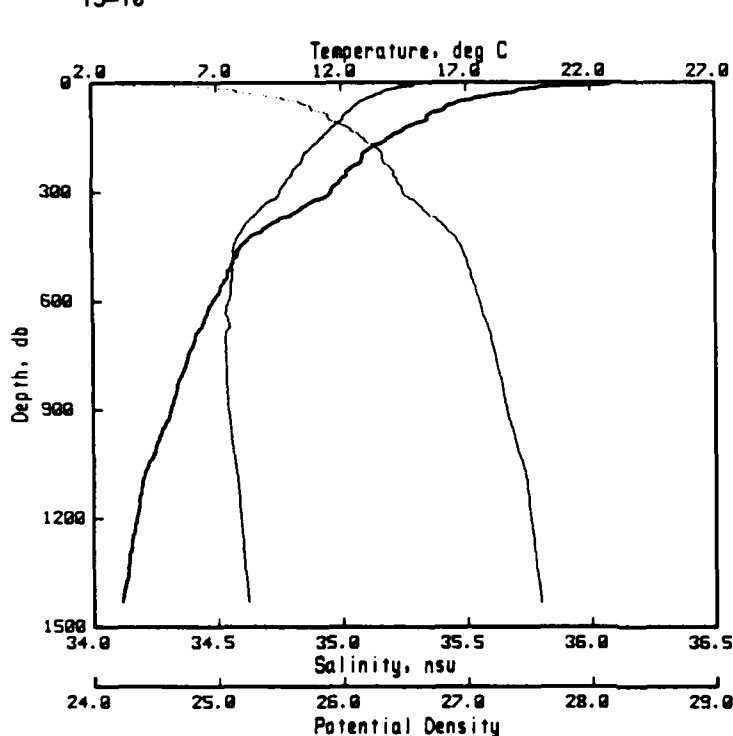
Day: 142.09 SST: 24.3 Tdry: none RH: none Wspd: 8.0 CTD #: 1
 4 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -21.9km 116.2km
 Y3-9



PR	THETA	SA	SGTH
10.0	20.005	35.212	24.941
20.0	18.765	35.161	25.222
30.0	17.443	35.112	25.512
40.0	16.650	35.072	25.671
50.0	16.222	35.054	25.756
60.0	16.142	35.043	25.766
70.0	15.660	35.024	25.861
80.0	15.439	35.010	25.900
90.0	15.401	35.004	25.904
100.0	15.099	34.992	25.962
120.0	14.537	34.963	26.062
140.0	14.074	34.933	26.138
160.0	13.463	34.899	26.239
180.0	13.146	34.875	26.285
200.0	12.787	34.846	26.335
300.0	11.461	34.753	26.518
400.0	8.555	34.593	26.890
500.0	7.575	34.561	27.012
600.0	6.757	34.536	27.108
700.0	6.096	34.530	27.190
800.0	5.539	34.536	27.265
900.0	5.096	34.544	27.324
1000.0	4.576	34.558	27.395
1100.0	4.039	34.575	27.466
1200.0	3.815	34.587	27.499
1300.0	3.509	34.601	27.540
1400.0	3.194	34.616	27.582
1500.0	2.997	34.627	27.610

STATION PC5104 : 27 44.0 N 111 52.3 W 21/ 5/84 315Z 1433/1565m

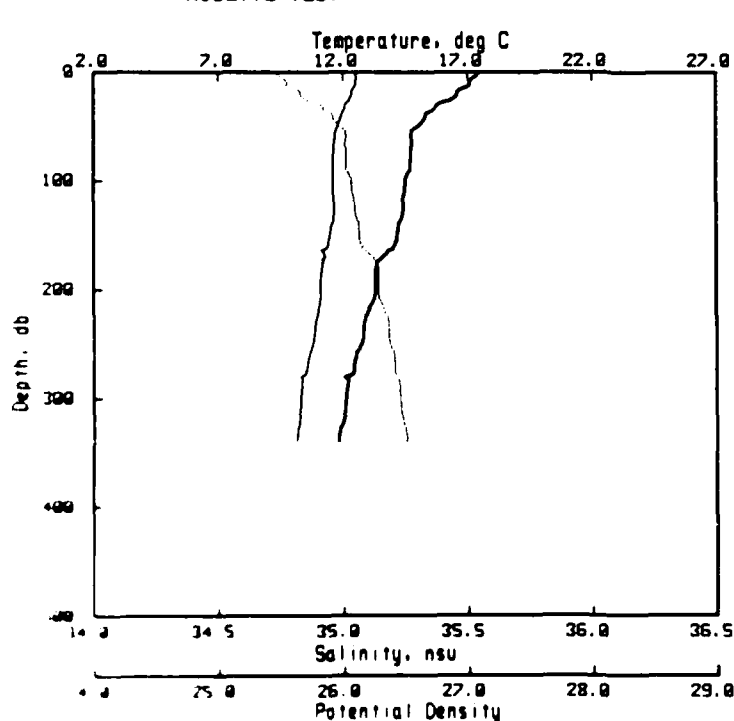
Day: 142.14 SST: 24.4 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 4 MAR 86 ANC SST:SHIP POS:SHL Gulf Co-ords: -21.7km 116.5km
 Y3-10



PR	THETA	SA	SGTH
10.0	21.181	35.277	24.674
20.0	19.173	35.184	25.136
30.0	18.533	35.150	25.273
40.0	17.541	35.114	25.490
50.0	16.873	35.081	25.625
60.0	16.473	35.063	25.705
70.0	16.170	35.046	25.762
80.0	15.826	35.030	25.828
90.0	15.457	35.011	25.897
100.0	15.422	35.002	25.898
120.0	14.660	34.967	26.039
140.0	14.111	34.935	26.132
160.0	13.742	34.908	26.188
180.0	13.154	34.875	26.283
200.0	12.836	34.848	26.327
300.0	11.581	34.754	26.496
400.0	8.873	34.805	26.849
500.0	7.570	34.560	27.012
600.0	6.816	34.544	27.106
700.0	6.088	34.531	27.192
800.0	5.579	34.537	27.261
900.0	5.121	34.544	27.321
1000.0	4.546	34.561	27.400
1100.0	3.958	34.580	27.478
1200.0	3.747	34.591	27.509
1300.0	3.451	34.605	27.549
1400.0	3.222	34.617	27.581

STATION PC5105 : 28 37.2 N 112 38.1 W 21/ 5/84 2243Z 344/ 360m

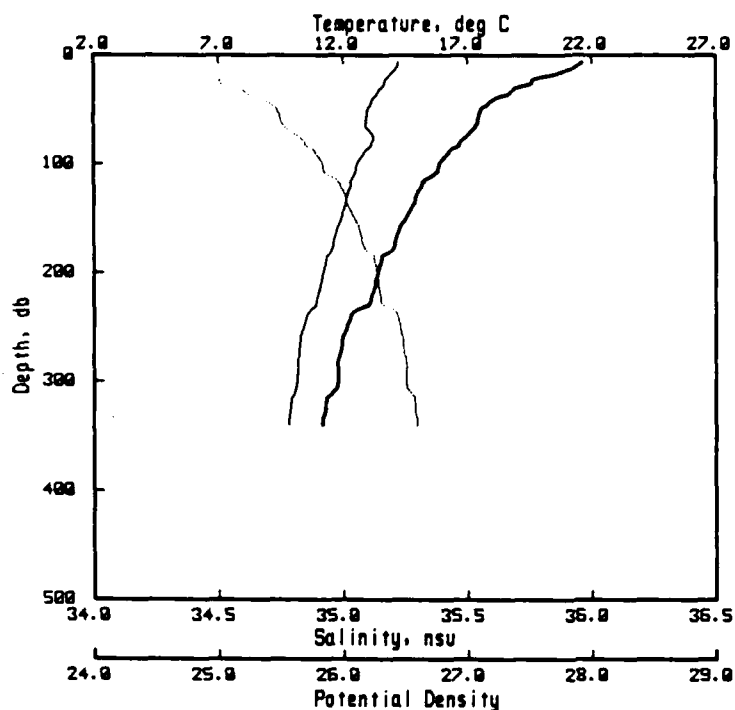
Day: 142.95 SST: 20.1 Tdry: none RH: none Wspd: 14.0 CTD #: 1
 28 FEB 86 ANC Temperatures:SHI Gulf Co-ords: -24.2km 240.1km
 ROSETTE TEST



PR	THETA	SA	SGTH
2.0	17.390	35.050	25.478
10.0	17.074	35.051	25.554
20.0	16.577	35.034	25.658
30.0	15.771	35.008	25.824
40.0	15.312	34.992	25.915
50.0	15.019	34.978	25.969
60.0	14.736	34.967	26.022
70.0	14.724	34.964	26.023
80.0	14.714	34.961	26.023
90.0	14.687	34.960	26.028
100.0	14.501	34.961	26.069
120.0	14.413	34.963	26.089
140.0	14.221	34.954	26.123
160.0	14.002	34.939	26.158
180.0	13.303	34.915	26.284
200.0	13.283	34.909	26.284
300.0	12.099	34.830	26.457

STATION PC5106 : 28 53.4 N 112 47.4 W 22/ 5/84 140Z 344/ 365m

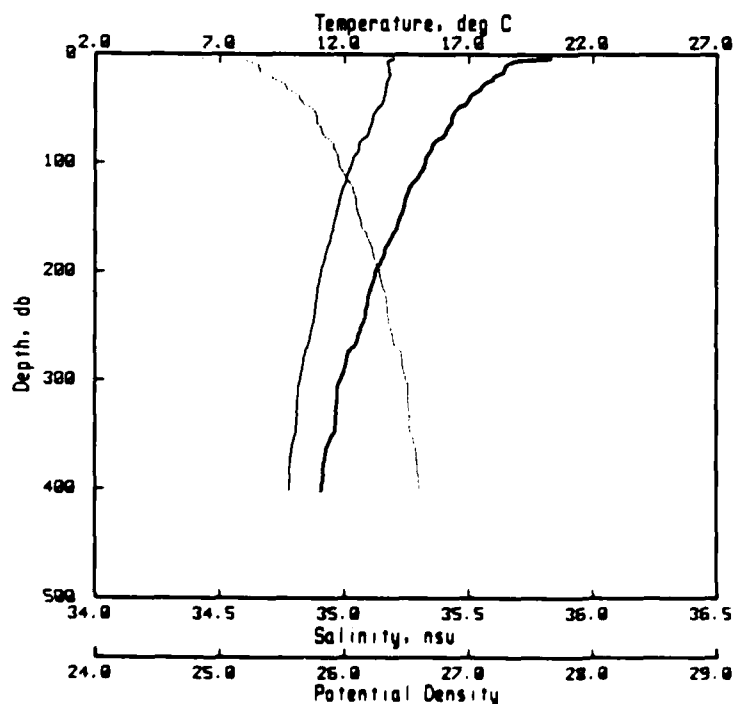
Day: 143.07 SST: 22.7 Tdry: none RH: none Wspd: 3.0 CTD #: 1
28 FEB 86 ANC SST:SHIT TW&TD:S Gulf Co-ords: -18.7km 273.2km
SE-1



PR	THETA	SA	SGTH
10.0	21.389	35.217	24.572
20.0	19.940	35.183	24.936
30.0	18.899	35.151	25.181
40.0	18.077	35.119	25.362
50.0	17.551	35.099	25.476
60.0	17.414	35.094	25.505
70.0	17.120	35.107	25.586
80.0	16.692	35.116	25.694
90.0	16.214	35.083	25.780
100.0	15.867	35.058	25.841
120.0	15.158	35.029	25.978
140.0	14.753	35.004	26.047
160.0	14.252	34.976	26.134
180.0	13.917	34.952	26.186
200.0	13.393	34.920	26.270
300.0	11.772	34.813	26.506

STATION PC5107 : 29 9.2 N 112 59.0 W 22/ 5/84 500Z 403/ 424m

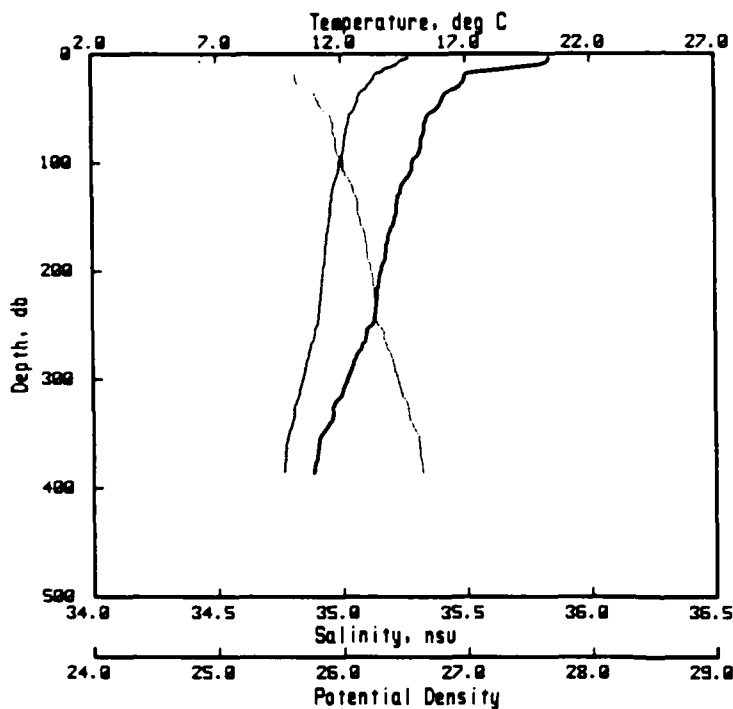
Day: 143.21 SST: 20.8 Tdry: none RH: none Wspd: 8.5 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -16.7km 307.9km
SE-2



PR	THETA	SA	SGTH
10.0	18.464	35.177	25.310
20.0	18.044	35.181	25.418
30.0	17.527	35.168	25.535
40.0	17.048	35.161	25.644
50.0	16.515	35.131	25.747
60.0	16.309	35.112	25.780
70.0	16.105	35.100	25.818
80.0	15.652	35.065	25.895
90.0	15.432	35.053	25.935
100.0	15.253	35.033	25.960
120.0	14.699	35.000	26.056
140.0	14.407	34.976	26.100
160.0	14.103	34.956	26.150
180.0	13.631	34.929	26.227
200.0	13.261	34.907	26.286
300.0	11.867	34.823	26.496
400.0	11.106	34.779	26.603

STATION PC5108 : 29 24.7 N 113 10.0 W 22/ 5/84 806Z 385/ 430m

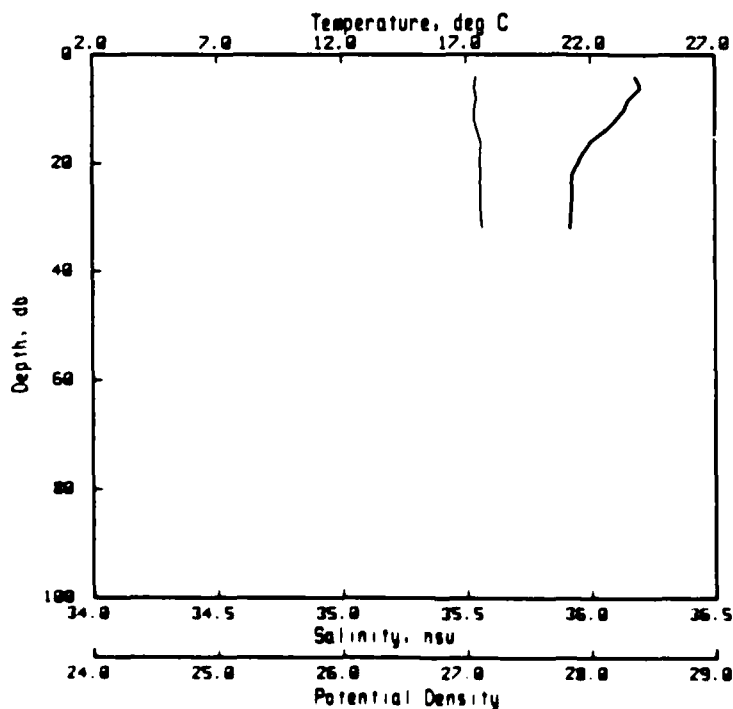
Day: 143.34 SST: 19.6 Tdry: none RH: none Wspd: 30.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -14.1km 341.5km
T-3



PR	THETA	SA	SGTH
10.0	20.009	35.223	24.948
20.0	16.991	35.136	25.639
30.0	16.740	35.106	25.675
40.0	16.073	35.067	25.801
50.0	15.840	35.055	25.844
60.0	15.412	35.030	25.922
70.0	15.327	35.021	25.934
80.0	15.204	35.013	25.955
90.0	15.133	35.008	25.967
100.0	14.859	34.993	26.016
120.0	14.428	34.970	26.091
140.0	14.198	34.955	26.129
160.0	13.965	34.944	26.169
180.0	13.771	34.934	26.202
200.0	13.568	34.925	26.238
300.0	12.202	34.840	26.445

STATION PC5109 : 30 59.9 N 114 27.4 W 22/ 4/85 2125Z 33/ 43m

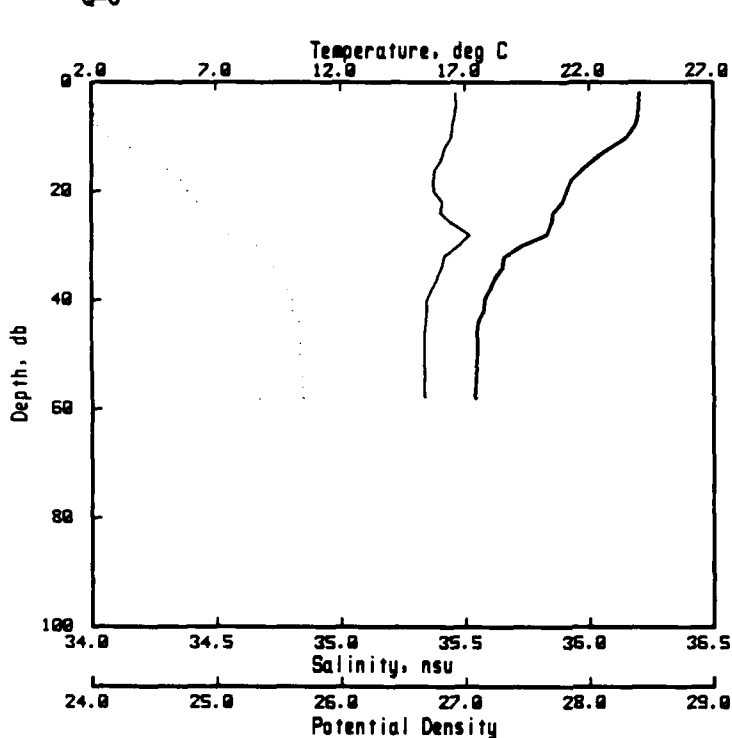
Day: 478.89 SST: 24.4 Tdry: none RH: none Wspd: 14.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: -10.6km 556.9km
Q-7



PR	THETA	SA	SGTH
10.0	23.359	35.532	24.253
20.0	21.496	35.556	24.800
30.0	21.201	35.560	24.884

STATION PC5110 : 31 .9 N 114 19.7 W 22/ 5/84 2236Z 60/ 67m

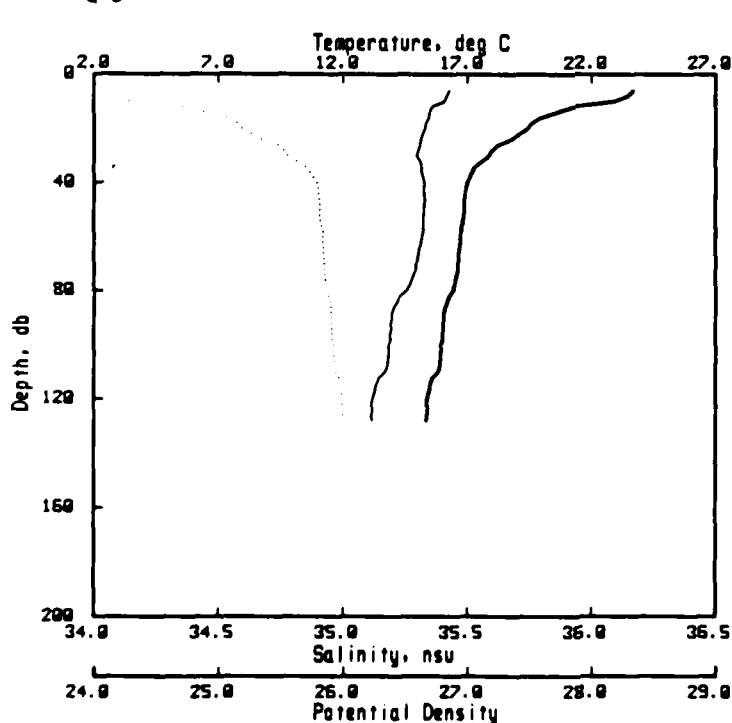
Day: 143.94 SST: 24.2 Tdry: none RH: none Wspd: 8.5 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: .6km 551.1km
Q-6



PR	THETA	SA	SGTH
2.0	24.034	35.484	24.003
10.0	23.528	35.446	24.138
20.0	21.105	35.376	24.770
30.0	19.298	35.475	25.326
40.0	17.783	35.346	25.608
50.0	17.490	35.337	25.673

STATION PC5111 : 31 3.7 N 114 13.6 W 23/ 5/84 11Z 129/ 138m

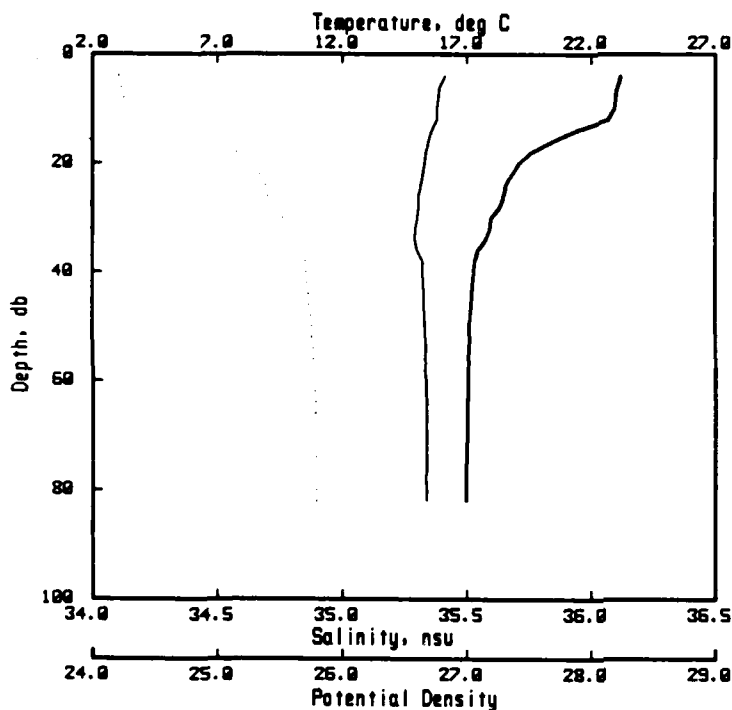
Day: 144.01 SST: 24.0 Tdry: none RH: none Wspd: 12.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: 11.7km 549.4km
Q-5



PR	THETA	SA	SGTH
10.0	22.916	35.407	24.286
20.0	19.406	35.329	25.186
30.0	17.846	35.297	25.555
40.0	16.970	35.326	25.789
50.0	16.871	35.327	25.814
60.0	16.720	35.316	25.841
70.0	16.604	35.293	25.851
80.0	16.391	35.253	25.870
90.0	16.040	35.195	25.906
100.0	15.923	35.184	25.925
120.0	15.388	35.118	25.995

STATION PC5112 : 31 7.3 N 114 4.8 W 23/ 5/84 152Z 82/ 93m

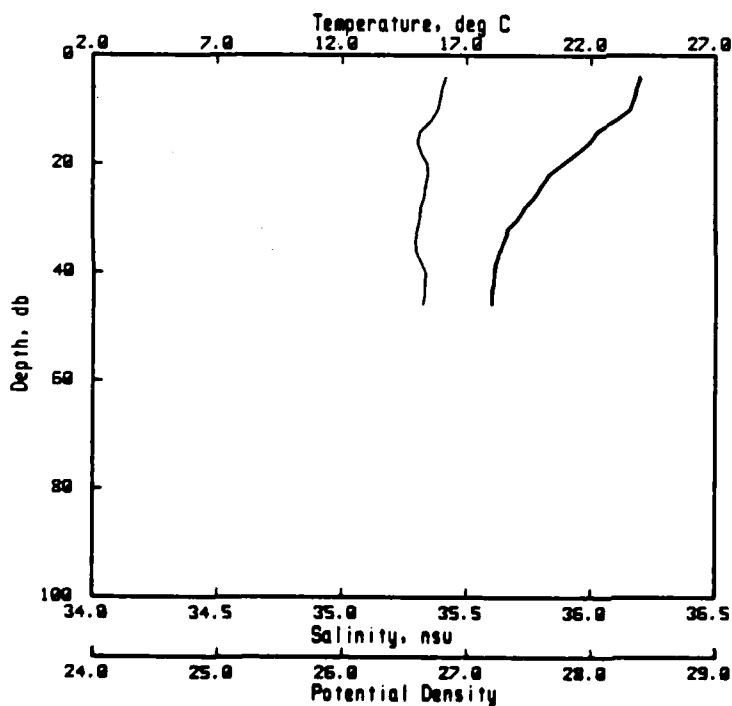
Day: 144.08 SST: 23.9 Tdry: none RH: none Wspd: 7.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: 27.2km 546.4km
Q-4



PR	THETA	SA	SGTH
10.0	22.944	35.381	24.258
20.0	19.083	35.331	25.271
30.0	17.982	35.302	25.526
40.0	17.287	35.325	25.713
50.0	17.127	35.333	25.757
60.0	17.044	35.335	25.779
70.0	17.019	35.339	25.788
80.0	16.984	35.338	25.795

STATION PC5113 : 31 10.2 N 113 55.1 W 23/ 5/84 315Z 45/ 57m

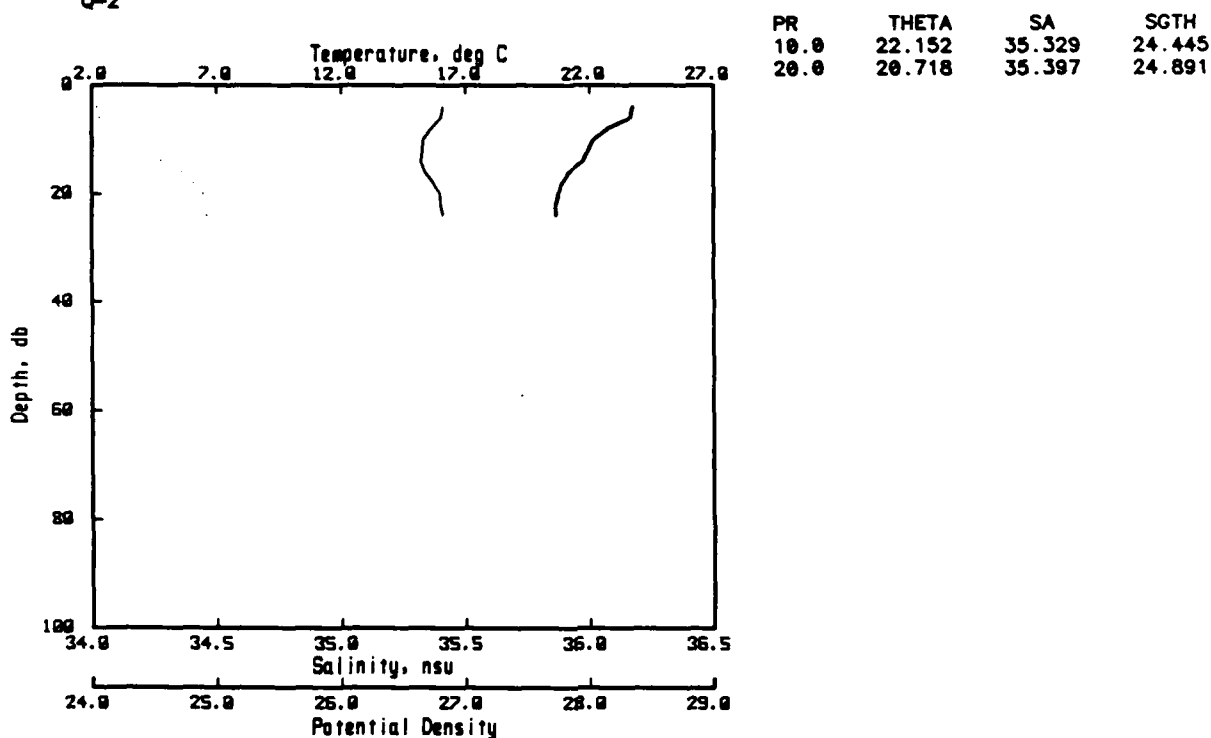
Day: 145.14 SST: 24.3 Tdry: none RH: none Wspd: 14.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: 43.1km 541.4km
Q-3



PR	THETA	SA	SGTH
10.0	23.551	35.382	24.083
20.0	20.839	35.341	24.816
30.0	19.064	35.311	25.261
40.0	18.084	35.331	25.523

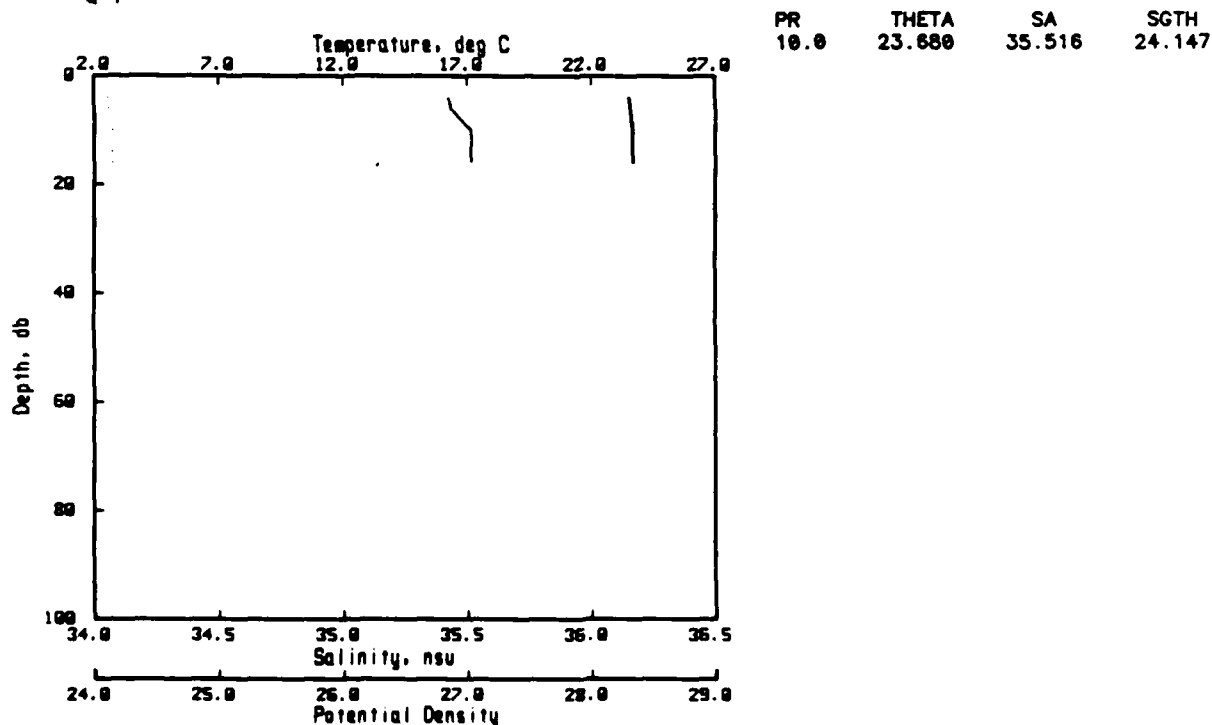
STATION PC5114 : 31 13.0 N 113 48.5 W 23/ 5/84 4272 25/ 33m

Day: 144.19 SST: 24.1 Tdry: none RH: none Wspd: 14.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: 54.8km 539.3km
Q-2



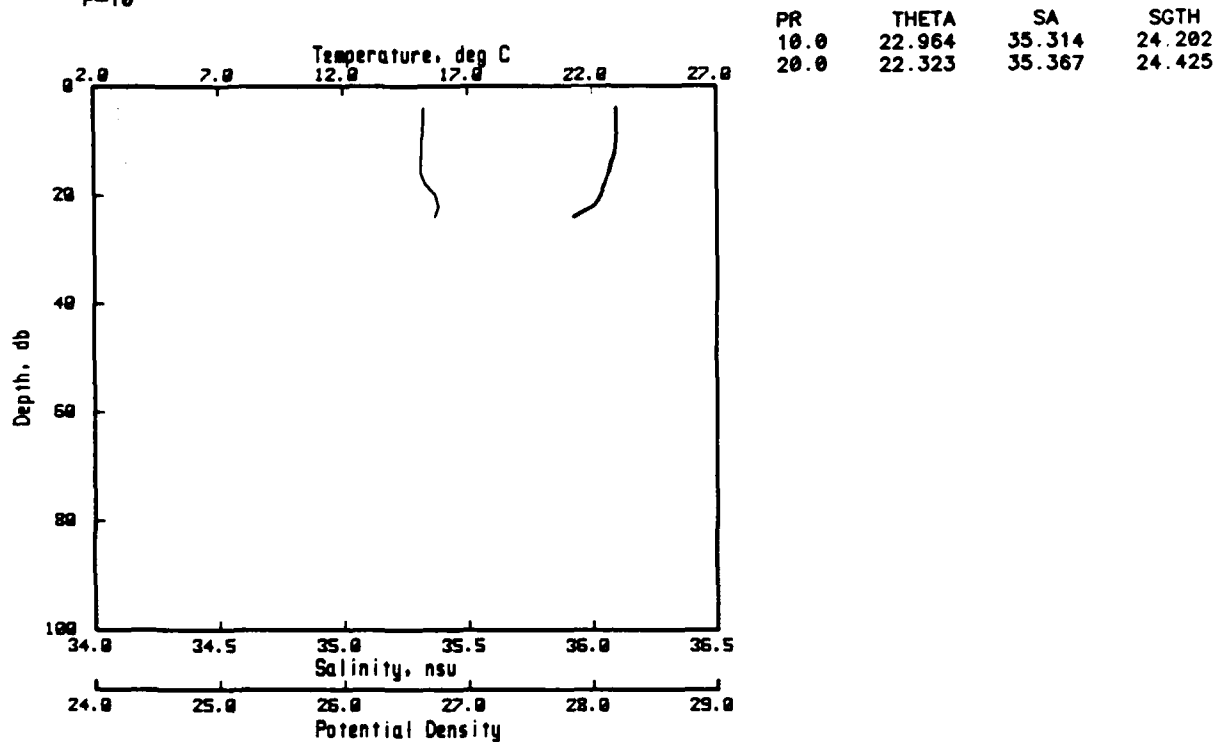
STATION PC5115 : 31 14.0 N 113 39.0 W 23/ 5/84 5512 17/ 23m

Day: 144.24 SST: 23.7 Tdry: none RH: none Wspd: 99.0 CTD #: 1
28 FEB 86 ANC SST, TW AND TD:SA Gulf Co-ords: 68.4km 531.8km
Q-1



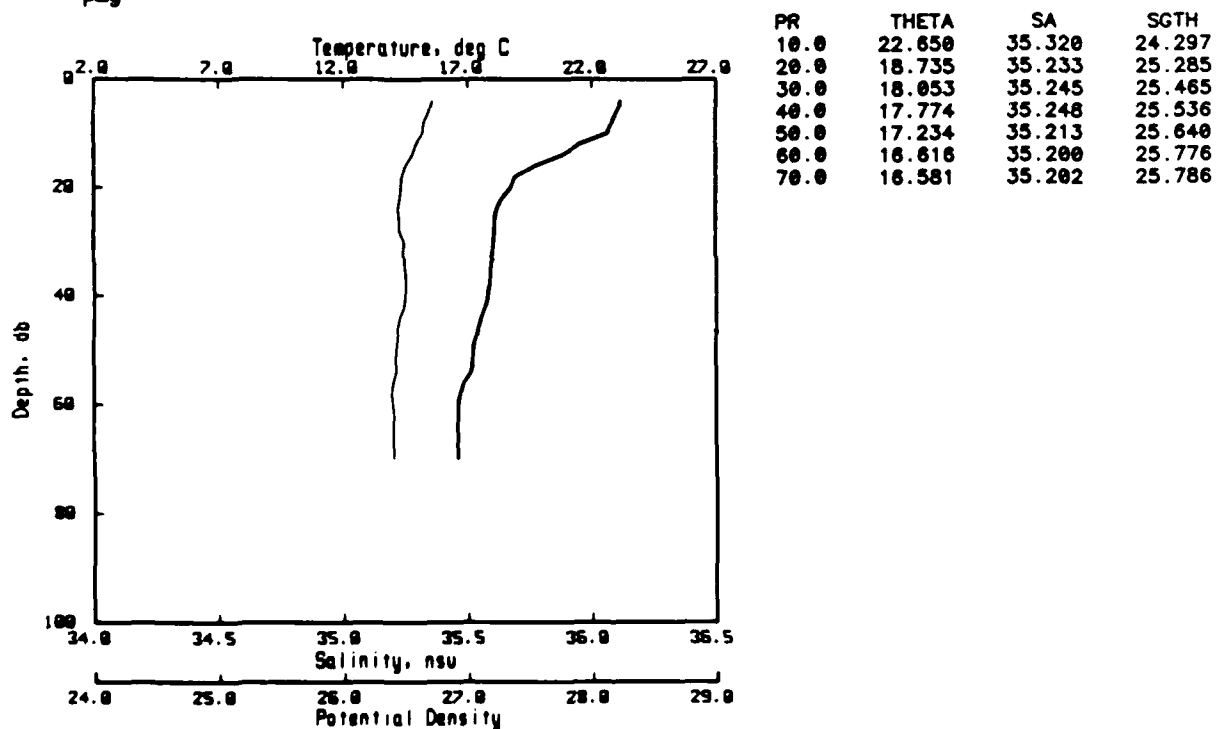
STATION PC5116 : 30 52.6 N 113 16.2 W 23/ 5/84 855Z 27/ 36m

Day: 145.37 SST: 23.1 Tdry: none RH: none Wspd: 12.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: 74.6km 478.3km
P-10



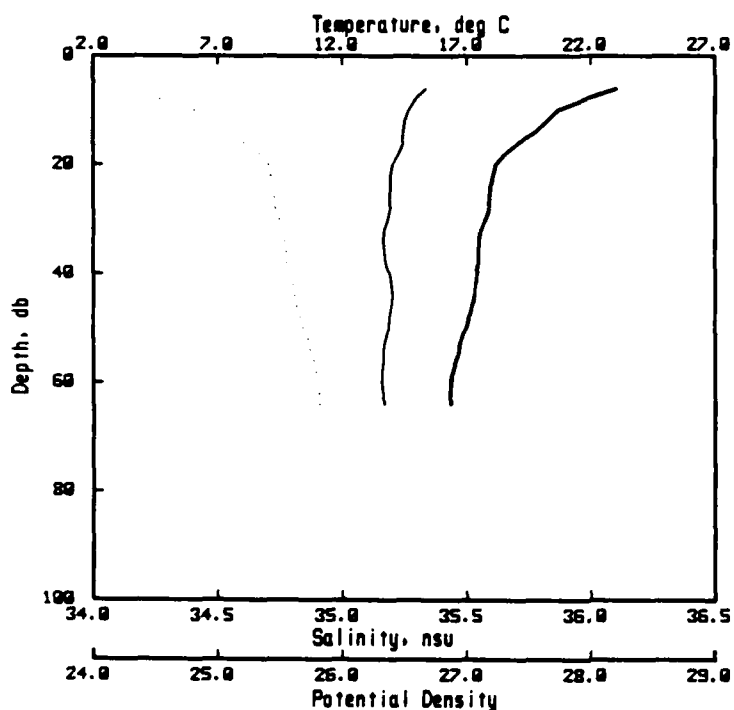
STATION PC5117 : 30 49.5 N 113 26.5 W 23/ 5/84 1031Z 71/ 81m

Day: 144.44 SST: 23.2 Tdry: none RH: none Wspd: 11.0 CTD #: 1
28 FEB 86 ANC T:SHIP POS:SHL Gulf Co-ords: 44.6km 493.0km
P-9



STATION PCS118 : 30 46.6 N 113 33.7 W 23/ 5/84 1200Z 66/ 76m

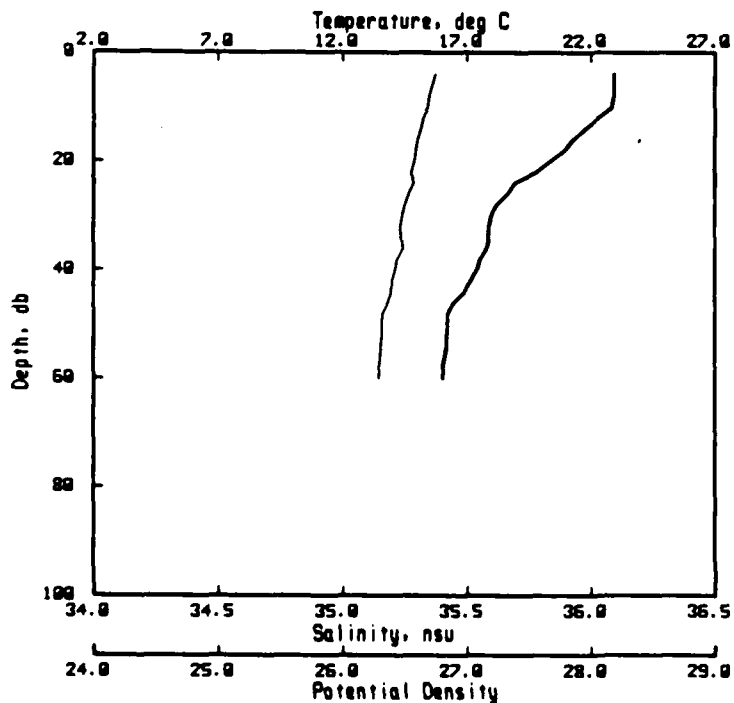
Day: 144.56 SST: 22.3 Tdry: none RH: none Wspd: 10.0 CTD #: 1
4 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 45.0km 486.0km
P-8



PR	THETA	SA	SGTH
10.0	20.629	35.264	24.814
20.0	18.159	35.201	25.405
30.0	17.746	35.181	25.491
40.0	17.395	35.190	25.583
50.0	16.975	35.186	25.681
60.0	16.357	35.160	25.806

STATION PCS119 : 30 43.6 N 113 43.2 W 23/ 5/84 1326Z 61/ 76m

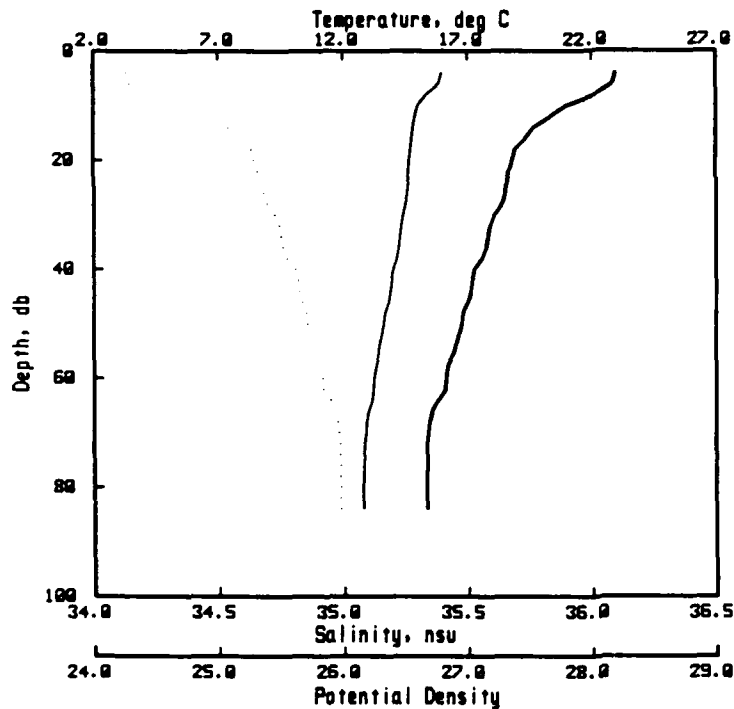
Day: 144.56 SST: 23.1 Tdry: none RH: none Wspd: 10.0 CTD #: 1
4 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 29.3km 490.6km
P-7



PR	THETA	SA	SGTH
10.0	22.871	35.343	24.251
20.0	20.361	35.289	24.905
30.0	17.987	35.240	25.477
40.0	17.404	35.211	25.597
50.0	16.207	35.157	25.839
60.0	16.035	35.145	25.869

STATION PC5120 : 30 41.2 N 113 51.6 W 23/ 5/84 1455Z 83/ 93m

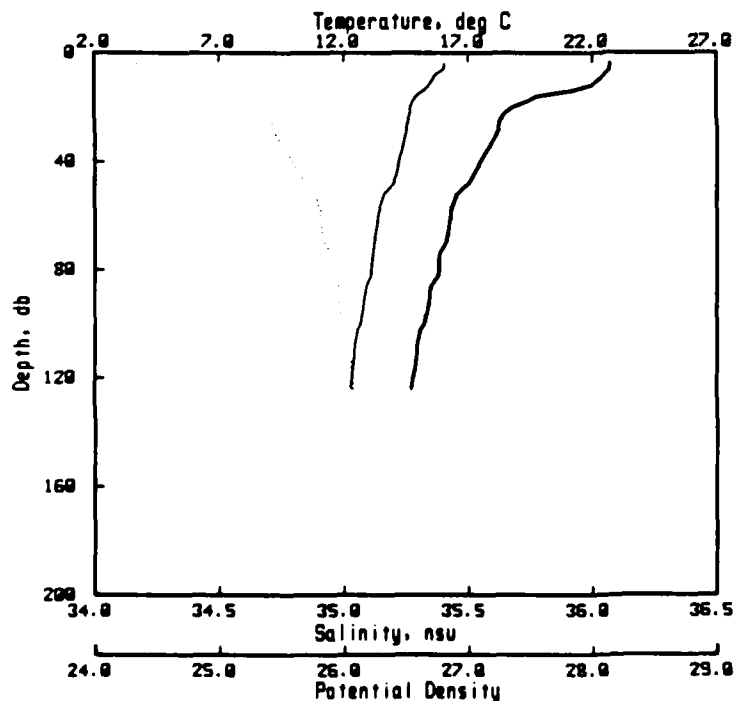
Day: 144.62 SST: 23.1 Tdry: none RH: none Wspd: 8.0 CTD #: 1
 4 MAR 86 ANC SST:SHIP TD&TW: Gulf Co-ords: 15.6km 495.1km
 P-6



PR	THETA	SA	SGTH
10.0	20.963	35.300	24.751
20.0	18.822	35.268	25.290
30.0	18.090	35.241	25.453
40.0	17.264	35.202	25.624
50.0	16.747	35.162	25.717
60.0	16.117	35.124	25.834
70.0	15.412	35.090	25.968
80.0	15.333	35.080	25.978

STATION PC5121 : 30 36.8 N 113 59.1 W 23/ 5/84 1608Z 124/ 133m

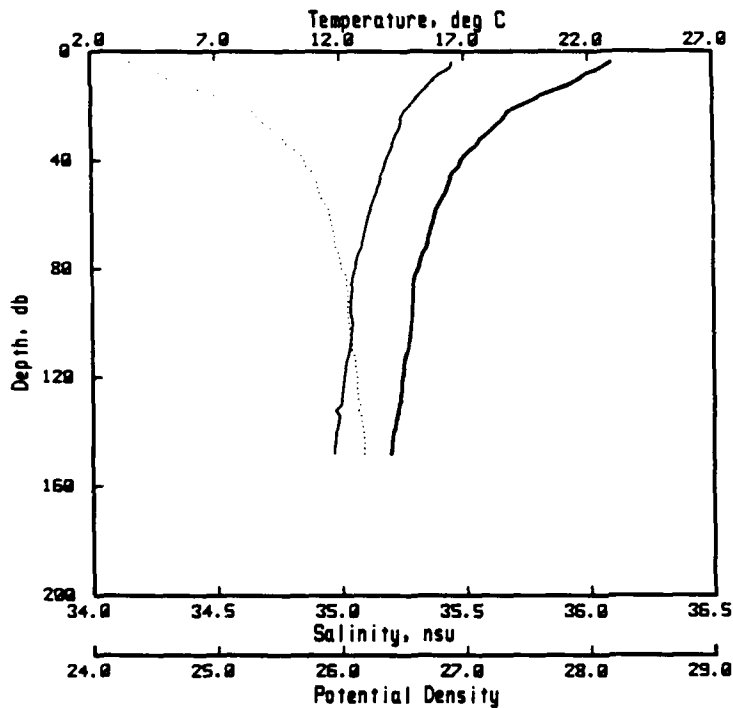
Day: 144.67 SST: 23.1 Tdry: none RH: none Wspd: 18.0 CTD #: 1
 4 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: .9km 495.7km
 P-5



PR	THETA	SA	SGTH
10.0	22.246	35.356	24.438
20.0	18.801	35.268	25.295
30.0	18.100	35.246	25.454
40.0	17.463	35.219	25.589
50.0	16.721	35.178	25.735
60.0	16.258	35.136	25.811
70.0	16.059	35.121	25.845
80.0	15.789	35.109	25.897
90.0	15.426	35.082	25.959
100.0	15.193	35.063	25.996
120.0	14.754	35.029	26.066

STATION PC5122 : 30 35.3 N 114 7.9 W 23/ 5/84 1744Z 148/ 159m

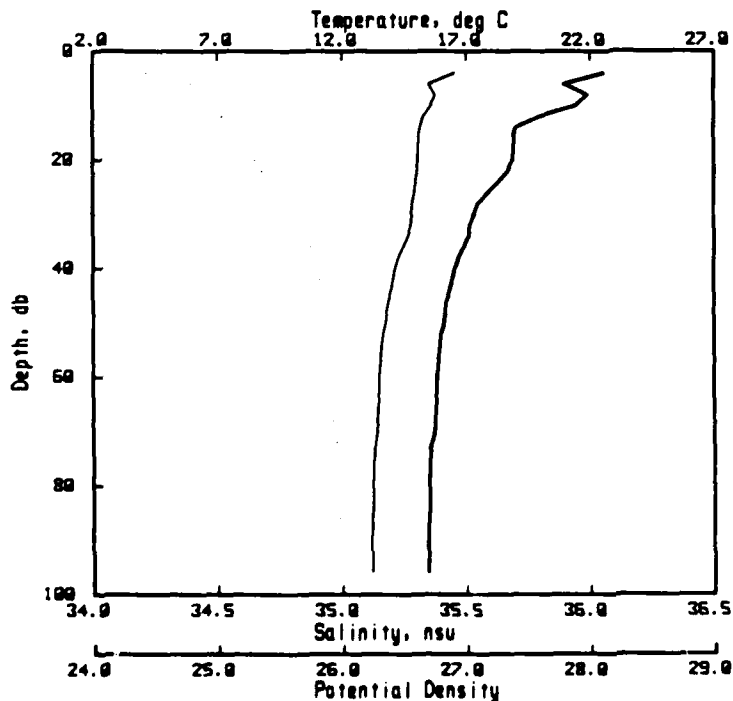
Day: 144.74 SST: 22.5 Tdry: none RH: none Wspd: 99.0 CTD #: 1
04 MAR 86 ANC T:SAIL POS:SHL Gulf Co-ords: -12.1km 502.1km
P-4



PR	THETA	SA	SGTH
10.0	21.665	35.381	24.620
20.0	19.211	35.278	25.198
30.0	17.929	35.227	25.482
40.0	16.832	35.183	25.712
50.0	16.276	35.147	25.815
60.0	15.748	35.110	25.908
70.0	15.482	35.087	25.950
80.0	15.118	35.059	26.010
90.0	14.864	35.040	26.051
100.0	14.830	35.047	26.064
120.0	14.430	35.009	26.121
140.0	14.063	34.977	26.174

STATION PC5123 : 30 30.8 N 114 15.2 W 23/ 5/84 2108Z 96/ 105m

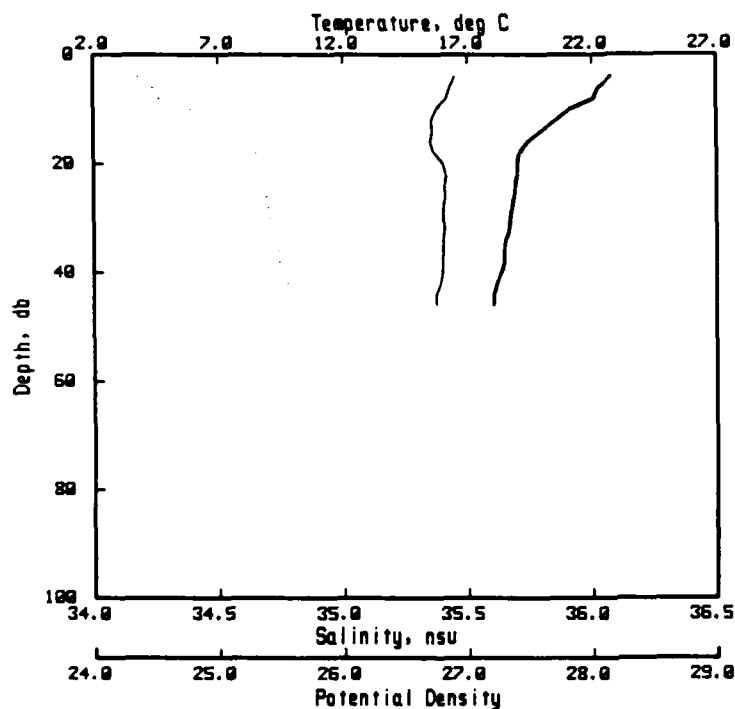
Day: 144.88 SST: 24.2 Tdry: none RH: none Wspd: 5.5 CTD #: 1
4 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -26.9km 502.1km
P-3



PR	THETA	SA	SGTH
10.0	21.394	35.357	24.677
20.0	18.885	35.306	25.303
30.0	17.330	35.283	25.670
40.0	16.524	35.213	25.808
50.0	16.101	35.175	25.877
60.0	15.829	35.150	25.920
70.0	15.702	35.141	25.942
80.0	15.508	35.124	25.973
90.0	15.462	35.118	25.978

STATION PC5124 : 30 29.3 N 114 22.9 W 24/ 5/84 1035Z 46/ 51m

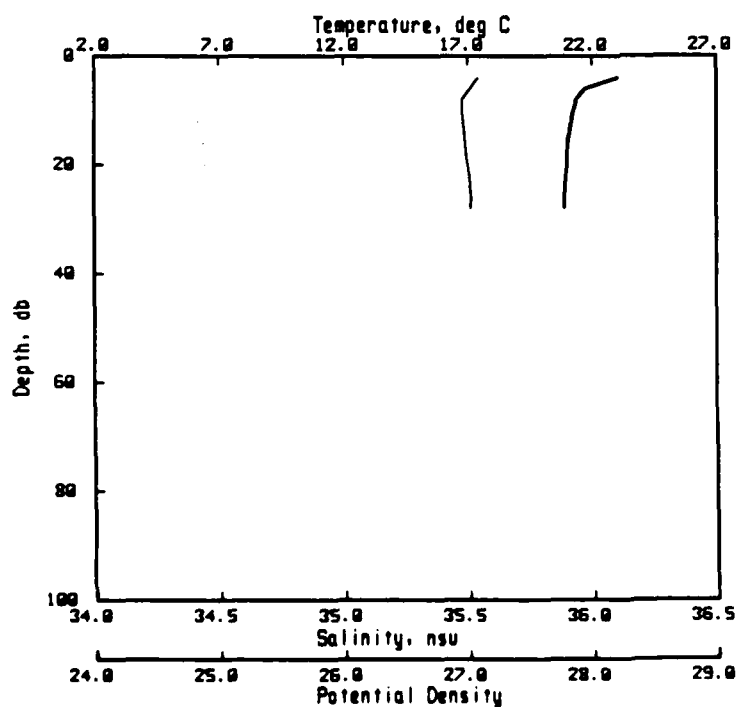
Day: 145.44 SST: 24.7 Tdry: none RH: none Wspd: 3.0 CTD #: 1
 4 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -38.7km 507.2km
 P-2



PR	THETA	SA	SGTH
10.0	21.067	35.373	24.779
20.0	18.988	35.399	25.347
30.0	18.725	35.401	25.416
40.0	18.338	35.397	25.510

STATION PC5125 : 30 25.1 N 114 32.0 W 24/ 5/84 1230Z 28/ 33m

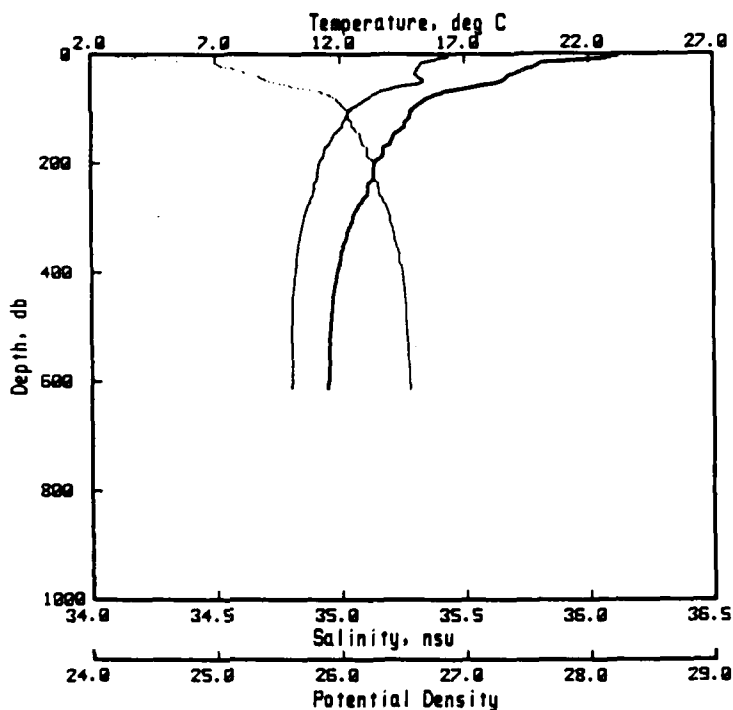
Day: 145.52 SST: 25.3 Tdry: none RH: none Wspd: 10.0 CTD #: 1
 4 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -55.3km 509.7km
 P-1



PR	THETA	SA	SGTH
10.0	21.242	35.476	24.809
20.0	20.993	35.500	24.895

STATION PC5128 : 29 53.3 N 113 51.7 W 24/ 5/84 2104Z 618/ 624m

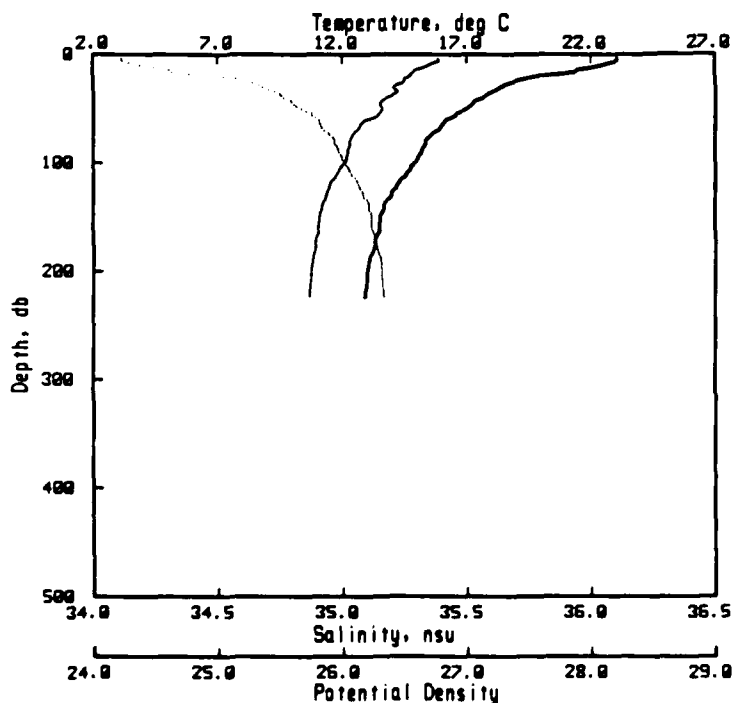
Day: 145.88 SST: 26.3 Tdry: none RH: none Wspd: 10.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -37.6km 424.0km
 J-3



PR	THETA	SA	SGTH
10.0	22.018	35.387	24.526
20.0	19.945	35.322	25.040
30.0	19.324	35.312	25.195
40.0	18.719	35.312	25.349
50.0	18.453	35.336	25.435
60.0	17.368	35.230	25.621
70.0	16.134	35.154	25.853
80.0	15.580	35.118	25.952
90.0	15.230	35.083	26.003
100.0	14.921	35.046	26.043
120.0	14.710	35.018	26.067
140.0	14.355	34.991	26.123
160.0	14.027	34.961	26.170
180.0	13.714	34.936	26.216
200.0	13.376	34.916	26.270
300.0	12.499	34.854	26.398
400.0	11.841	34.817	26.496
500.0	11.601	34.805	26.532
600.0	11.499	34.803	26.549

STATION PC5129 : 29 59.2 N 113 38.5 W 24/ 5/84 2355Z 224/ 230m

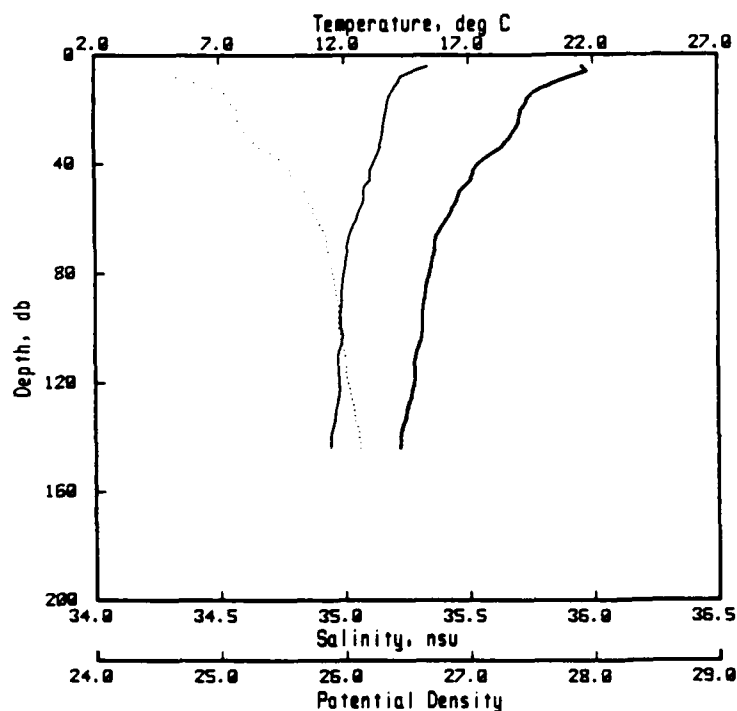
Day: 146.00 SST: 24.2 Tdry: none RH: none Wspd: 10.0 CTD #: 1
 06 MAR 86 ANC T:SHIP POS:? Gulf Co-ords: -15.0km 418.4km
 J-4



PR	THETA	SA	SGTH
10.0	22.433	35.345	24.377
20.0	19.757	35.270	25.050
30.0	18.360	35.204	25.357
40.0	17.589	35.174	25.524
50.0	16.956	35.159	25.665
60.0	16.111	35.089	25.809
70.0	15.792	35.055	25.855
80.0	15.343	35.028	25.936
90.0	15.159	35.022	25.972
100.0	14.904	35.009	26.018
120.0	14.187	34.949	26.127
140.0	13.677	34.918	26.210
160.0	13.499	34.904	26.235
180.0	13.217	34.887	26.280
200.0	12.986	34.873	26.316

STATION PC5130 : 30 3.6 N 113 27.4 W 25/ 5/84 150Z 144/ 153m

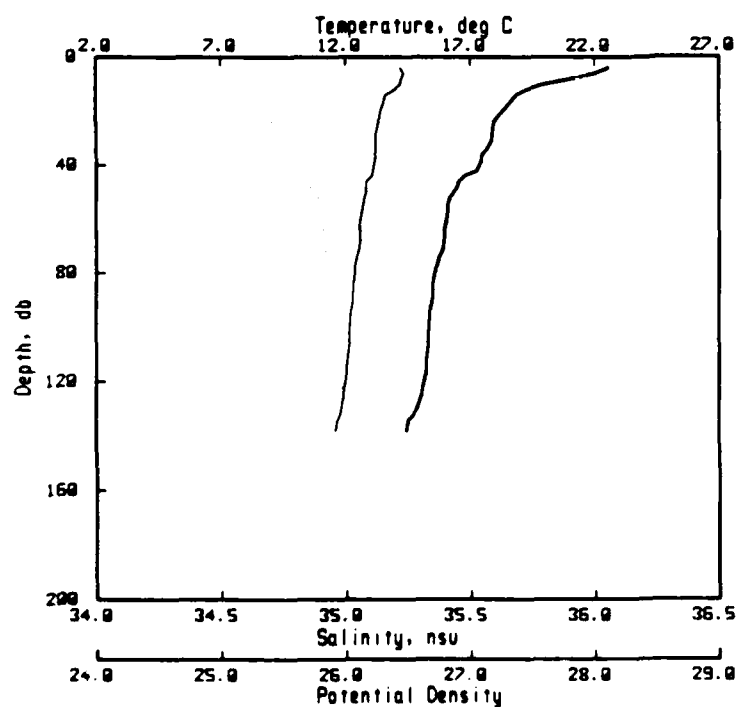
Day: 146.08 SST: 24.2 Tdry: none RH: none Wspd: 15.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 5.8km 416.1km
J-5



PR	THETA	SA	SGTH
10.0	20.543	35.218	24.802
20.0	19.106	35.171	25.143
30.0	18.706	35.154	25.232
40.0	17.345	35.114	25.537
50.0	16.619	35.077	25.681
60.0	16.107	35.048	25.778
70.0	15.623	35.011	25.860
80.0	15.378	34.996	25.903
90.0	15.162	34.987	25.944
100.0	15.113	34.985	25.954
120.0	14.760	34.977	26.025
140.0	14.223	34.944	26.115

STATION PC5131 : 30 7.7 N 113 16.9 W 25/ 5/84 332Z 137/ 147m

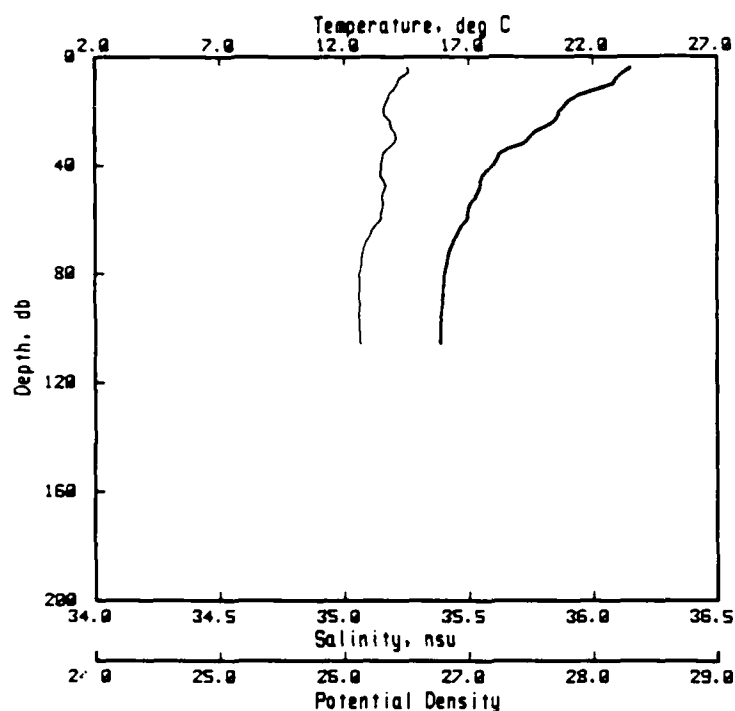
Day: 146.15 SST: 24.0 Tdry: none RH: none Wspd: 8.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 24.2km 412.1km
J-6



PR	THETA	SA	SGTH
10.0	19.942	35.217	24.961
20.0	18.303	35.139	25.322
30.0	17.864	35.119	25.415
40.0	17.336	35.111	25.537
50.0	16.311	35.082	25.757
60.0	16.043	35.060	25.802
70.0	15.908	35.055	25.829
80.0	15.559	35.034	25.892
90.0	15.451	35.027	25.911
100.0	15.324	35.016	25.931
120.0	15.114	34.997	25.963

STATION PC5132 : 30 11.8 N 113 5.1 W 25/ 5/84 525Z 106/ 113m

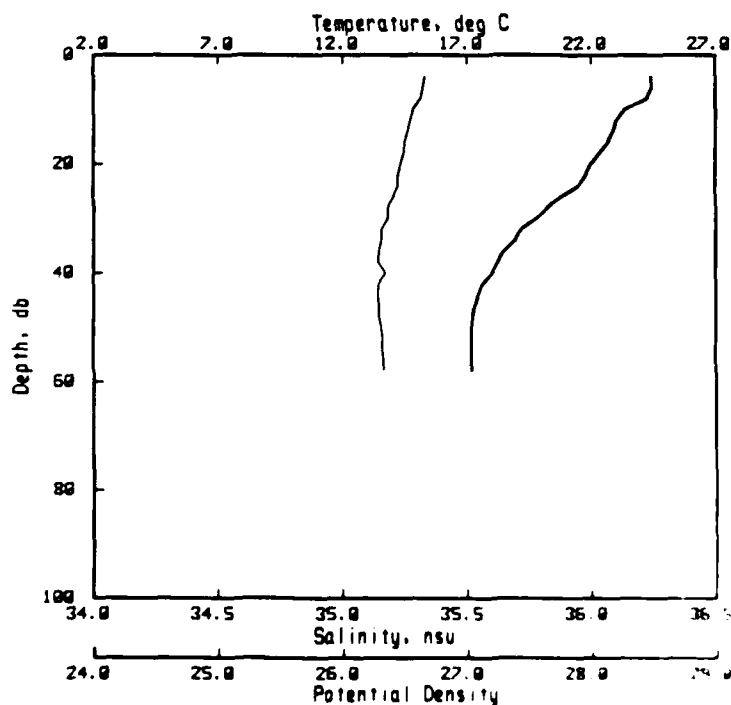
Day: 146.23 SST: 24.2 Tdry: none RH: none Wspd: 26.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 44.2km 406.9km
J-7



PR	THETA	SA	SGTH
10.0	22.805	35.210	24.169
20.0	20.638	35.158	24.731
30.0	19.400	35.208	25.096
40.0	18.005	35.148	25.402
50.0	17.342	35.155	25.569
60.0	16.913	35.145	25.664
70.0	16.299	35.080	25.758
80.0	16.034	35.059	25.803
90.0	15.953	35.061	25.823
100.0	15.844	35.059	25.847

STATION PC5133 : 30 14.5 N 112 55.3 W 25/ 5/84 708Z 57/ 67m

Day: 146.30 SST: 24.4 Tdry: none RH: none Wspd: 15.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 60.1km 401.6km
J-8

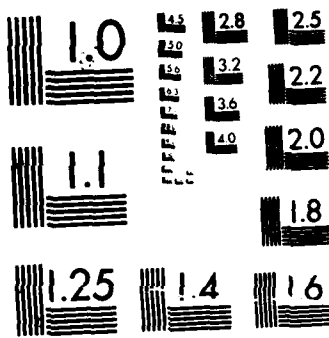


PR	THETA	SA	SGTH
10.0	23.327	35.282	24.073
20.0	21.985	35.233	24.419
30.0	19.750	35.178	24.982
40.0	18.005	35.171	25.420
50.0	17.180	35.155	25.608

NO-A188 883

PICHICUCO 5: GULF OF CALIFORNIA CTD DATA REPORT R/V NEW 2/2
HORIZON(U) SCOTTISH MARINE BIOLOGICAL ASSOCIATION
EDINBURGH OCEANOGRAPHY N A BRAY ET AL. MAR 87
SIO-REF-87-3 N00014-84-C-0257 F/G 8/3 NL

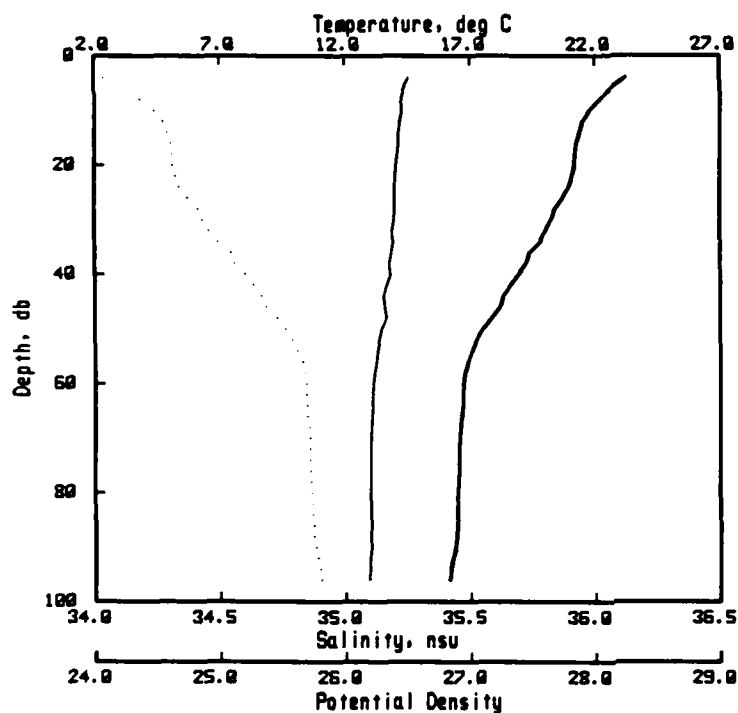
UNCLASSIFIED



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

STATION PC5134 : 29 52.3 N 112 48.0 W 25/ 5/84 1003Z 97/ 109m

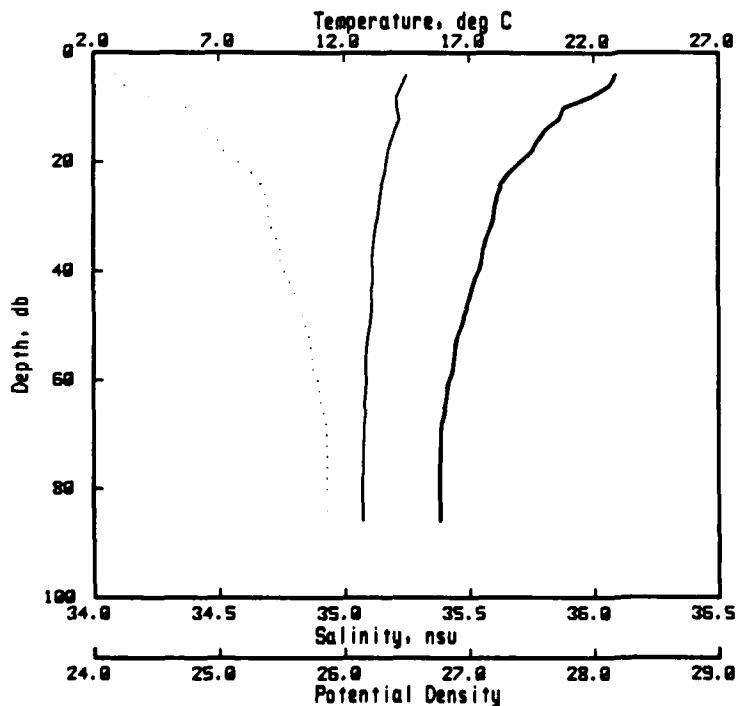
Day: 146.42 SST: 22.5 Tdry: none RH: none Wspd: 24.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 45.3km 361.5km
 I-1



PR	THETA	SA	SGTH
10.0	21.761	35.227	24.477
20.0	21.167	35.205	24.624
30.0	20.243	35.196	24.866
40.0	18.906	35.179	25.200
50.0	17.484	35.145	25.528
60.0	16.704	35.110	25.687
70.0	16.557	35.102	25.715
80.0	16.492	35.101	25.730
90.0	16.360	35.100	25.760

STATION PC5135 : 29 49.4 N 112 57.2 W 25/ 5/84 1138Z 85/ 92m

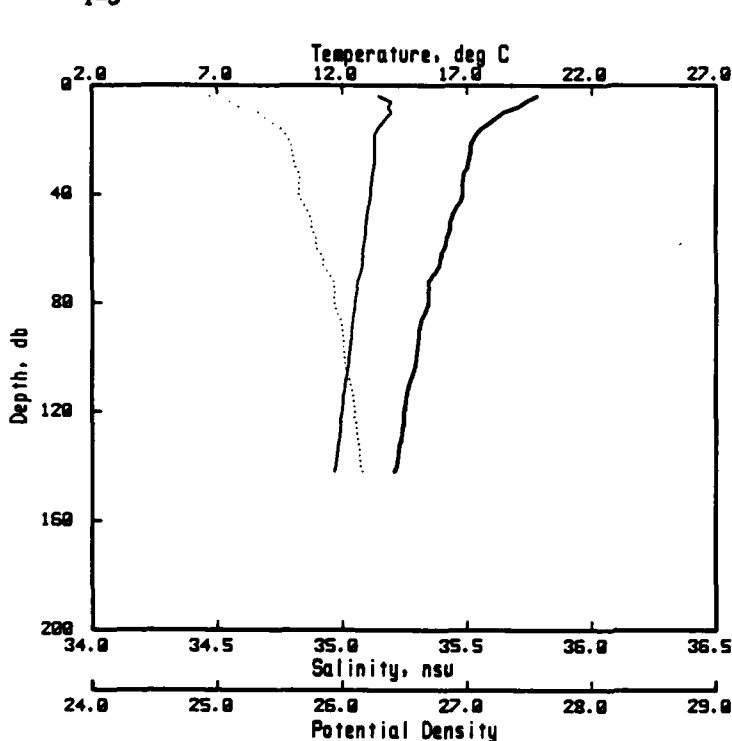
Day: 146.48 SST: 23.4 Tdry: none RH: none Wspd: 21.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 31.5km 364.9km
 I-2



PR	THETA	SA	SGTH
10.0	20.769	35.212	24.737
20.0	19.048	35.169	25.156
30.0	17.983	35.135	25.398
40.0	17.388	35.115	25.528
50.0	16.680	35.101	25.686
60.0	16.200	35.089	25.788
70.0	15.858	35.078	25.858
80.0	15.833	35.075	25.861

STATION PC5136 : 29 45.8 N 113 8.5 W 25/ 5/84 1322Z 157/ 165m

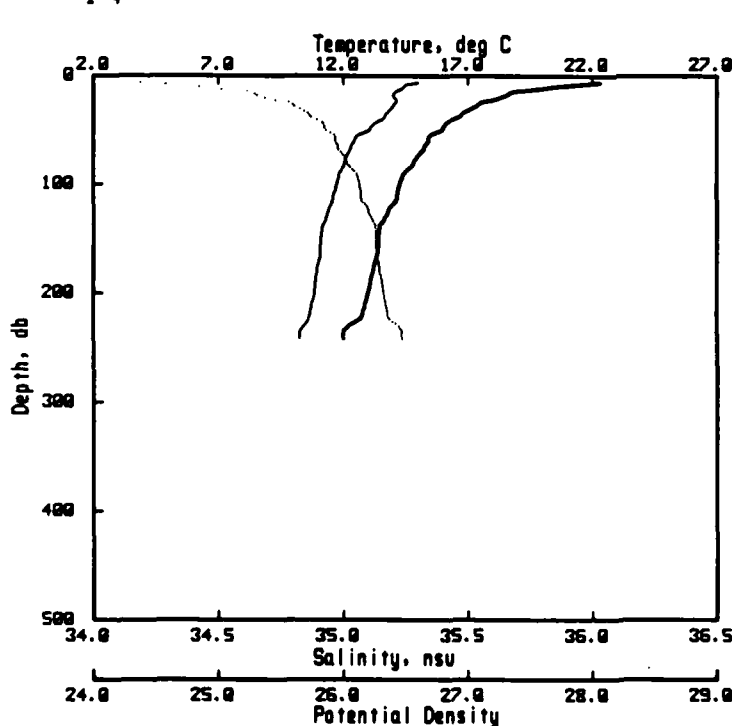
Day: 146.56 SST: 22.2 Tdry: none RH: none Wspd: 13.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 11.1km 371.5km
I-3



PR	THETA	SA	SGTH
10.0	18.449	35.196	25.329
20.0	17.237	35.131	25.576
30.0	17.015	35.127	25.626
40.0	16.838	35.116	25.660
50.0	16.348	35.099	25.762
60.0	16.104	35.085	25.807
70.0	15.599	35.069	25.910
80.0	15.421	35.050	25.935
90.0	15.076	35.038	26.003
100.0	14.967	35.028	26.019
120.0	14.487	35.000	26.102
140.0	14.171	34.974	26.149

STATION PC5137 : 29 41.1 N 113 17.6 W 25/ 5/84 1515Z 241/ 251m

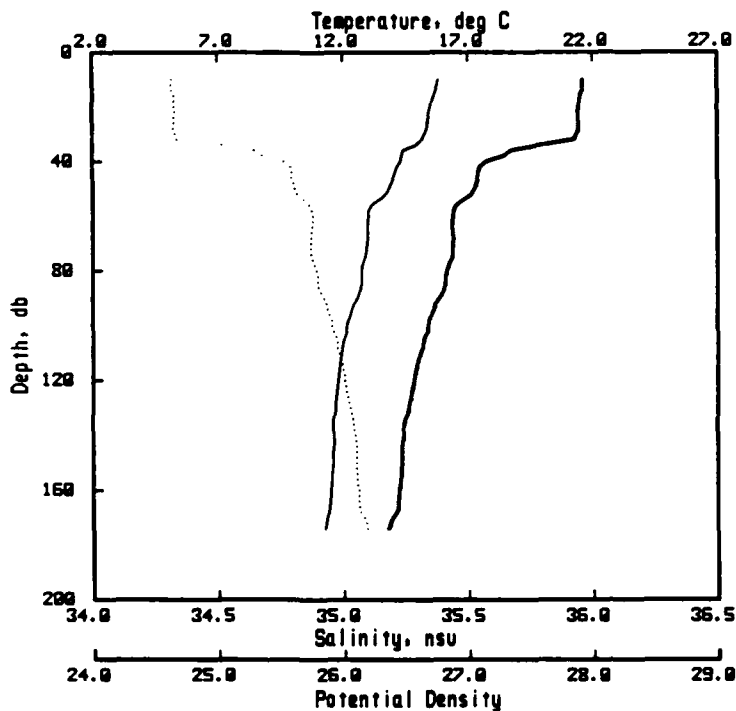
Day: 146.64 SST: 22.9 Tdry: none RH: none Wspd: 26.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -6.1km 373.2km
I-4



PR	THETA	SA	SGTH
10.0	20.441	35.240	24.846
20.0	18.287	35.203	25.375
30.0	17.115	35.191	25.651
40.0	16.403	35.156	25.793
50.0	15.942	35.106	25.860
60.0	15.398	35.044	25.936
70.0	15.114	35.022	25.982
80.0	14.825	35.005	26.032
90.0	14.392	34.984	26.110
100.0	14.251	34.973	26.131
120.0	13.885	34.946	26.188
140.0	13.434	34.915	26.257
160.0	13.369	34.908	26.265
180.0	13.190	34.894	26.291
200.0	12.990	34.884	26.323

STATION PC5138 : 29 36.4 N 113 36.0 W 25/ 5/84 1745Z 176/ 184m

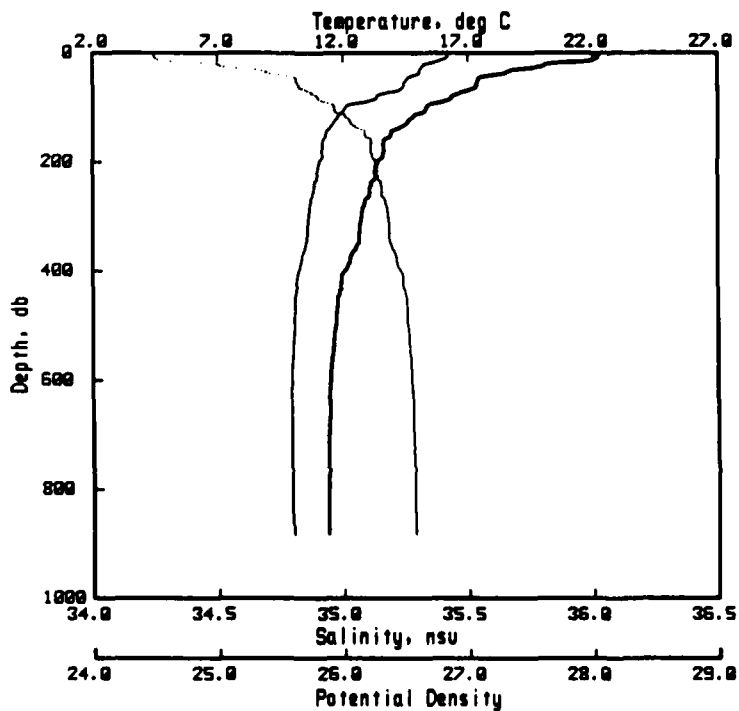
Day: 146.74 SST: 23.9 Tdry: none RH: none Wspd: 99.0 CTD #: 1
04 MAR 86 ANC T:SAIL POS:SHL Gulf Co-ords: -35.5km 383.9km
I-5A



PR	THETA	SA	SGTH
10.0	21.608	35.383	24.637
20.0	21.461	35.352	24.654
30.0	21.367	35.326	24.661
40.0	17.738	35.230	25.531
50.0	17.251	35.183	25.613
60.0	16.375	35.102	25.757
70.0	16.400	35.096	25.747
80.0	16.146	35.075	25.790
90.0	15.825	35.056	25.849
100.0	15.401	35.016	25.914
120.0	14.830	34.978	26.010
140.0	14.395	34.962	26.092
160.0	14.211	34.949	26.121

STATION PC5139 : 29 27.3 N 113 47.3 W 25/ 5/84 1958Z 882/ 900m

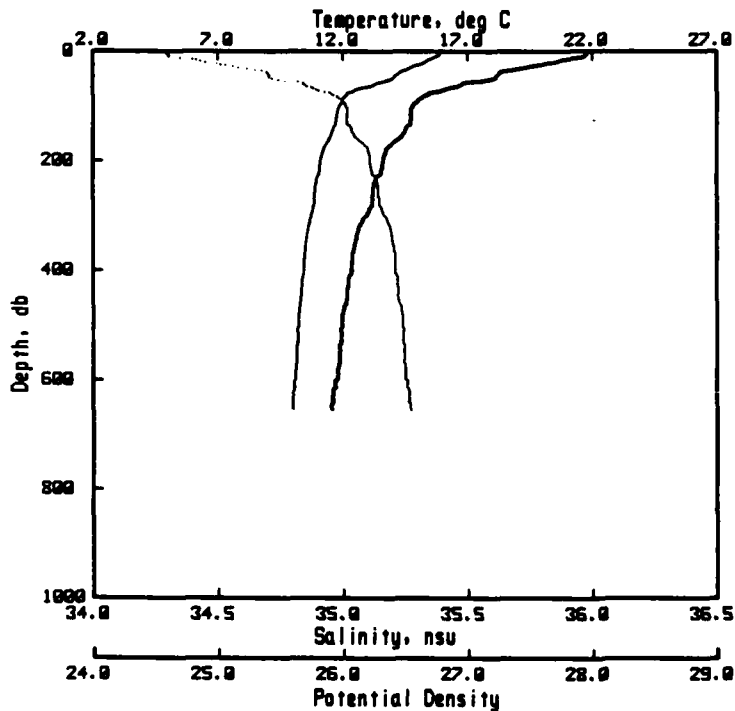
Day: 146.83 SST: 22.3 Tdry: none RH: none Wspd: 24.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -60.5km 381.2km
I-7



PR	THETA	SA	SGTH
10.0	22.161	35.411	24.504
20.0	20.118	35.324	24.996
30.0	18.881	35.308	25.305
40.0	18.096	35.293	25.491
50.0	17.407	35.252	25.628
60.0	17.319	35.240	25.640
70.0	16.910	35.209	25.714
80.0	16.330	35.135	25.793
90.0	15.948	35.089	25.846
100.0	15.311	35.008	25.928
120.0	14.688	34.974	26.038
140.0	14.052	34.941	26.149
160.0	13.615	34.919	26.223
180.0	13.611	34.915	26.221
200.0	13.399	34.907	26.258
300.0	12.734	34.863	26.358
400.0	12.048	34.824	26.462
500.0	11.686	34.804	26.515
600.0	11.480	34.794	26.546
700.0	11.398	34.791	26.559
800.0	11.371	34.792	26.565

STATION PC5140 : 29 22.6 N 113 41.7 W 25/ 5/84 2220Z 654/ 711m

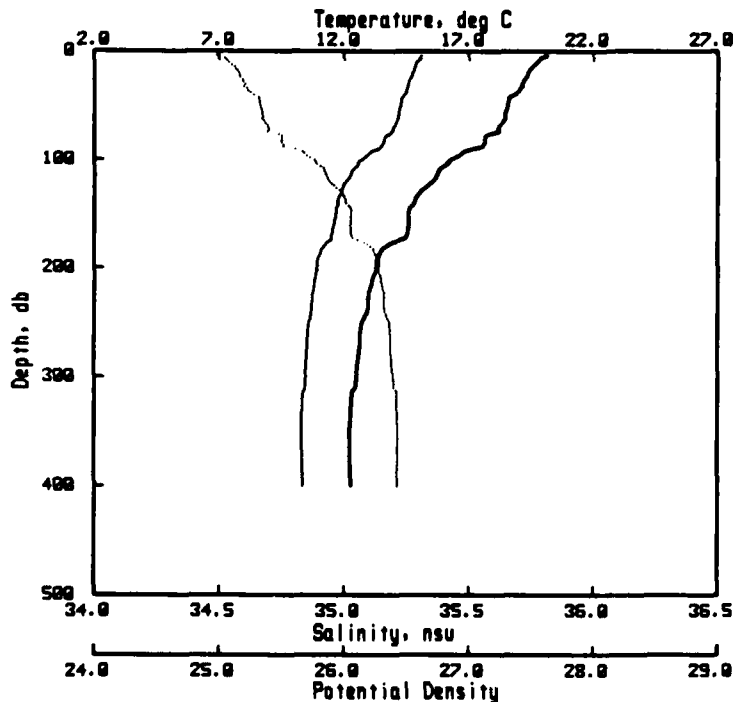
Day: 146.93 SST: 22.0 Tdry: none RH: none Wspd: 26.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -58.3km 368.8km
ABO



PR	THETA	SA	SGTH
10.0	21.662	35.365	24.609
20.0	20.480	35.326	24.901
30.0	19.305	35.271	25.168
40.0	18.251	35.223	25.399
50.0	18.015	35.200	25.440
60.0	16.780	35.129	25.683
70.0	16.073	35.055	25.791
80.0	15.355	35.014	25.922
90.0	14.984	34.995	25.990
100.0	14.804	34.985	26.021
120.0	14.715	34.974	26.032
140.0	14.506	34.962	26.068
160.0	14.200	34.944	26.120
180.0	13.715	34.921	26.204
200.0	13.616	34.911	26.217
300.0	12.908	34.873	26.332
400.0	12.361	34.843	26.416
500.0	11.961	34.820	26.476
600.0	11.690	34.807	26.517

STATION PC5141 : 29 13.0 N 113 32.0 W 26/ 5/84 510Z 400/ 512m

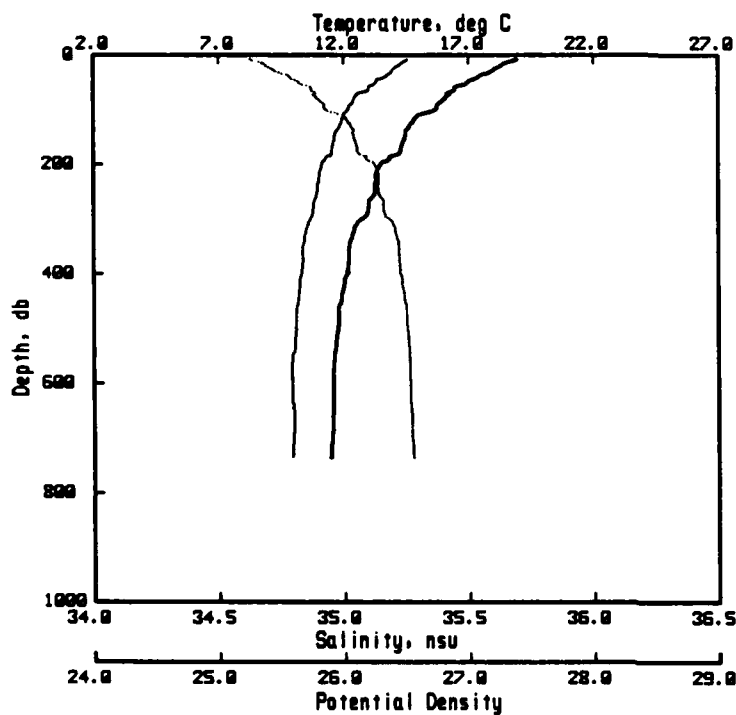
Day: 147.22 SST: 20.7 Tdry: none RH: none Wspd: 14.5 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -56.1km 345.2km
No tripped bottles



PR	THETA	SA	SGTH
10.0	19.709	35.287	25.076
20.0	19.349	35.272	25.158
30.0	19.114	35.255	25.205
40.0	18.804	35.240	25.273
50.0	18.546	35.226	25.327
60.0	18.437	35.215	25.346
70.0	18.186	35.197	25.395
80.0	17.644	35.163	25.502
90.0	17.136	35.139	25.607
100.0	16.235	35.070	25.765
120.0	15.504	35.007	25.883
140.0	14.803	34.975	26.014
160.0	14.572	34.958	26.051
180.0	13.683	34.920	26.210
200.0	13.285	34.890	26.268
300.0	12.400	34.845	26.393
400.0	12.270	34.834	26.427

STATION PC5142 : 29 13.0 N 113 31.0 W 26/ 5/84 611Z 738/ 752m

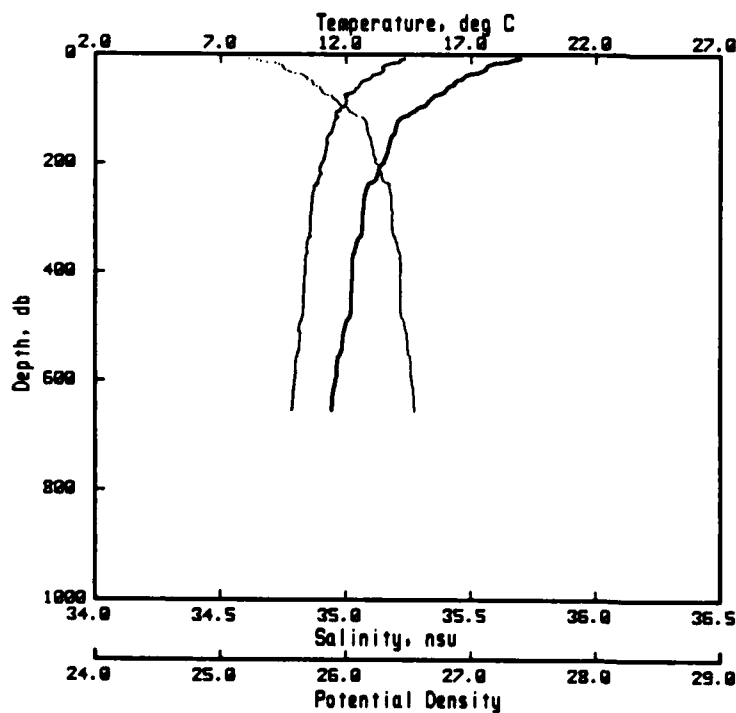
Day: 147.26 SST: 20.4 Tdry: none RH: none Wspd: 19.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -54.8km 344.3km



PR	THETA	SA	SGTH
10.0	18.824	35.250	25.275
20.0	18.286	35.215	25.384
30.0	17.905	35.192	25.461
40.0	17.379	35.167	25.570
50.0	16.934	35.127	25.646
60.0	16.448	35.100	25.739
70.0	16.132	35.054	25.777
80.0	16.033	35.042	25.790
90.0	15.749	35.030	25.846
100.0	15.655	35.017	25.857
120.0	14.793	34.992	26.029
140.0	14.482	34.969	26.079
160.0	14.364	34.959	26.096
180.0	14.240	34.952	26.118
200.0	13.472	34.913	26.248
300.0	12.697	34.867	26.369
400.0	12.122	34.831	26.453
500.0	11.761	34.809	26.505
600.0	11.565	34.793	26.529
700.0	11.511	34.797	26.543

STATION PC5143 : 29 .8 N 113 20.3 W 26/ 5/84 845Z 658/ 669m

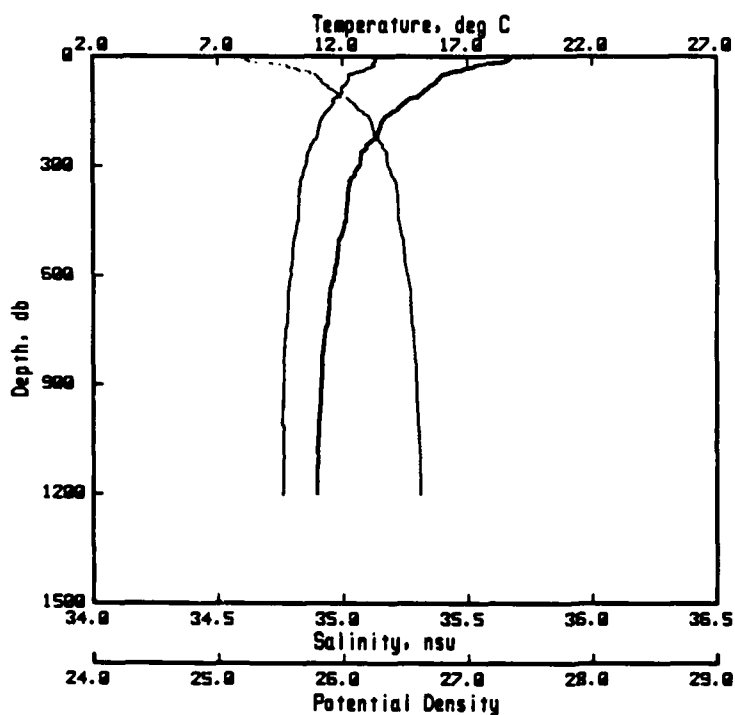
Day: 147.36 SST: 20.5 Tdry: none RH: none Wspd: 15.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -67.3km 325.4km
G-1



PR	THETA	SA	SGTH
10.0	18.664	35.213	25.288
20.0	17.660	35.155	25.492
30.0	17.444	35.147	25.539
40.0	16.758	35.103	25.669
50.0	16.356	35.062	25.731
60.0	16.048	35.046	25.790
70.0	15.891	35.022	25.808
80.0	15.413	34.996	25.896
90.0	15.226	35.000	25.940
100.0	14.804	34.977	26.015
120.0	14.081	34.956	26.154
140.0	13.959	34.944	26.171
160.0	13.752	34.924	26.199
180.0	13.644	34.918	26.216
200.0	13.451	34.900	26.242
300.0	12.656	34.858	26.370
400.0	12.248	34.839	26.435
500.0	11.966	34.814	26.470
600.0	11.583	34.795	26.528

STATION PC5144 : 28 57.9 N 113 16.3 W 26/ 5/84 1030Z 1202/1212m

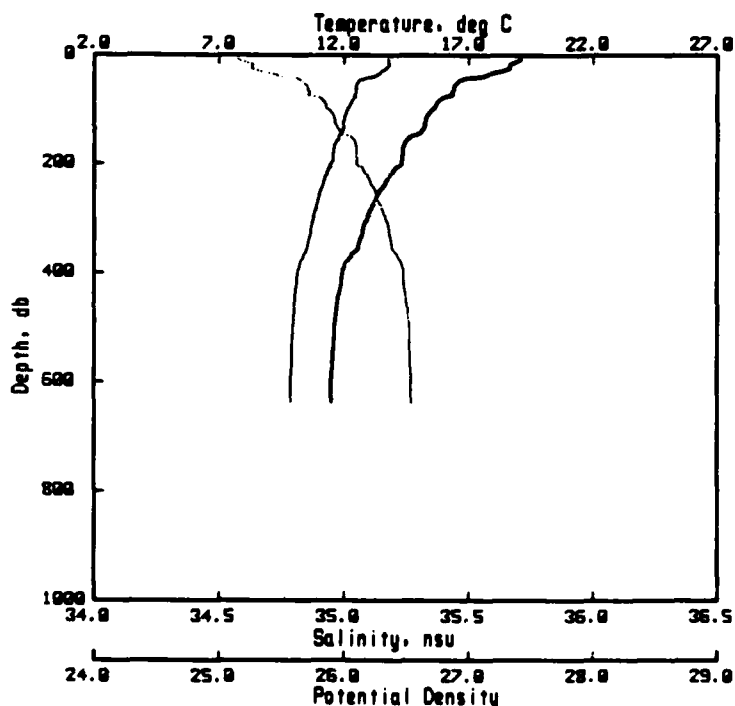
Day: 147.44 SST: 20.1 Tdry: none RH: none Wspd: 15.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -52.0km 307.7km
 G-2



PR	THETA	SA	SGTH
10.0	18.644	35.136	25.234
20.0	17.746	35.119	25.444
30.0	17.173	35.112	25.577
40.0	16.515	35.078	25.707
50.0	16.000	35.023	25.783
60.0	15.890	35.025	25.810
70.0	15.758	35.020	25.836
80.0	15.519	35.004	25.878
90.0	15.333	34.999	25.916
100.0	15.162	34.994	25.950
120.0	14.556	34.958	26.054
140.0	14.233	34.948	26.116
160.0	13.788	34.925	26.192
180.0	13.549	34.910	26.230
200.0	13.459	34.903	26.243
300.0	12.654	34.852	26.366
400.0	12.164	34.824	26.440
500.0	11.853	34.804	26.484
600.0	11.610	34.789	26.518
700.0	11.414	34.779	26.547
800.0	11.221	34.767	26.573
900.0	11.115	34.761	26.588
1000.0	11.032	34.756	26.599
1100.0	10.975	34.762	26.614
1200.0	10.940	34.760	26.619

STATION PC5145 : 28 58.3 N 113 11.8 W 26/ 5/84 1240Z 642/ 652m

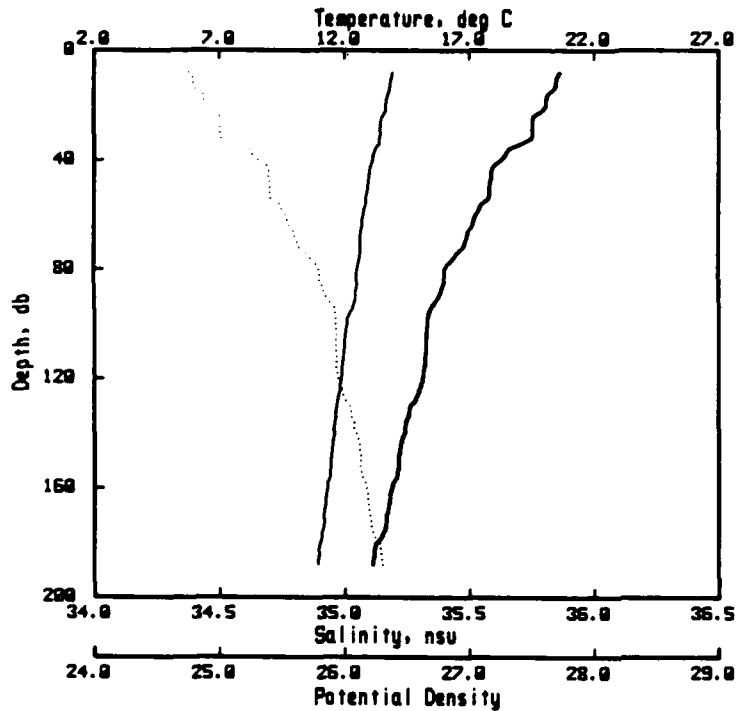
Day: 147.53 SST: 20.1 Tdry: none RH: none Wspd: 7.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -45.6km 303.9km
 G-3



PR	THETA	SA	SGTH
10.0	19.010	35.180	25.175
20.0	18.651	35.176	25.263
30.0	18.259	35.148	25.340
40.0	17.465	35.112	25.507
50.0	16.571	35.056	25.677
60.0	16.408	35.049	25.709
70.0	16.332	35.046	25.725
80.0	15.899	35.037	25.817
90.0	15.692	35.025	25.855
100.0	15.529	35.014	25.883
120.0	15.281	35.002	25.930
140.0	15.083	34.993	25.966
160.0	14.433	34.967	26.088
180.0	14.350	34.957	26.098
200.0	14.308	34.947	26.099
300.0	12.931	34.877	26.330
400.0	11.939	34.814	26.475
500.0	11.608	34.795	26.523
600.0	11.497	34.788	26.538

STATION PC5146 : 28 57.4 N 113 1.4 W 26/ 5/84 1458Z 188/ 198m

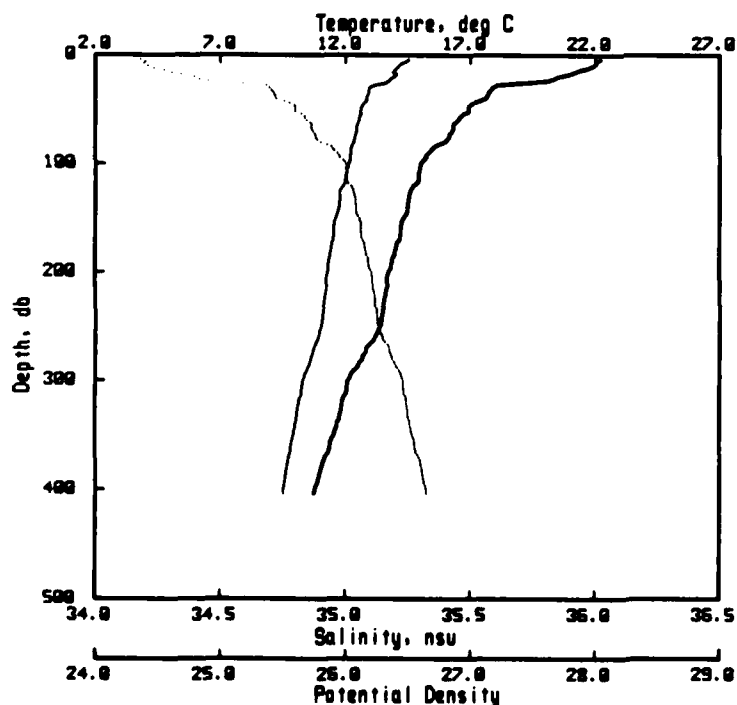
Day: 147.62 SST: 22.7 Tdry: none RH: none Wspd: 6.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -32.8km 292.6km
G-4



PR	THETA	SA	SGTH
10.0	20.503	35.188	24.790
20.0	20.089	35.167	24.884
30.0	19.534	35.144	25.012
40.0	18.270	35.113	25.310
50.0	17.822	35.093	25.405
60.0	17.261	35.076	25.528
70.0	16.828	35.064	25.622
80.0	16.025	35.052	25.800
90.0	15.770	35.045	25.853
100.0	15.306	35.009	25.929
120.0	15.140	34.987	25.949
140.0	14.376	34.958	26.093
160.0	13.876	34.931	26.178
180.0	13.264	34.903	26.283

STATION PC5147 : 29 6.4 N 112 56.5 W 26/ 5/84 1640Z 405/ 412m

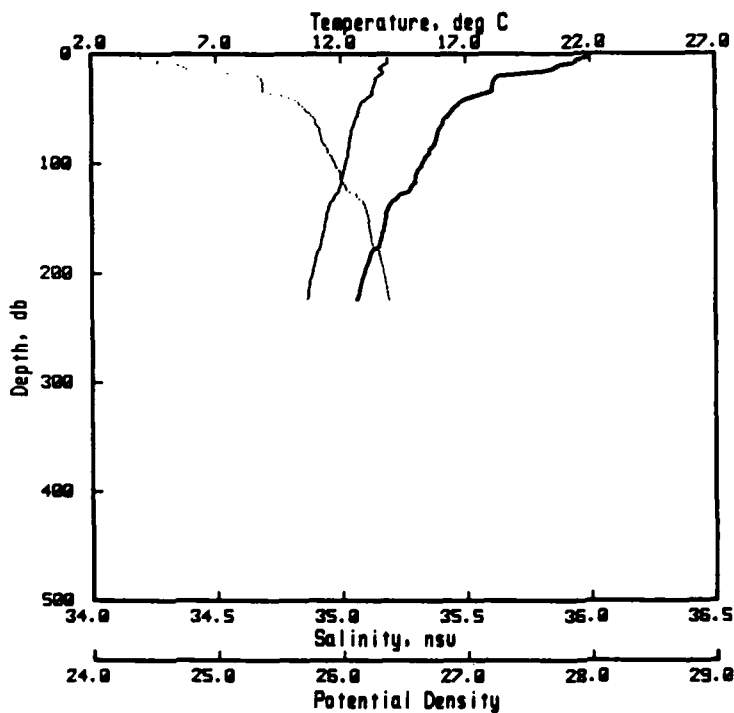
Day: 147.69 SST: 23.6 Tdry: none RH: none Wspd: 7.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -16.4km 301.3km
G-5



PR	THETA	SA	SGTH
10.0	21.927	35.213	24.420
20.0	20.504	35.193	24.794
30.0	17.892	35.097	25.391
40.0	17.624	35.083	25.446
50.0	16.932	35.062	25.596
60.0	16.496	35.053	25.692
70.0	16.261	35.044	25.740
80.0	15.960	35.036	25.802
90.0	15.314	35.023	25.938
100.0	14.991	35.011	26.001
120.0	14.704	34.989	26.046
140.0	14.485	34.974	26.082
160.0	14.214	34.954	26.125
180.0	13.982	34.941	26.164
200.0	13.716	34.928	26.209
300.0	12.084	34.830	26.460
400.0	10.772	34.751	26.642

STATION PC5148 : 29 11.1 N 112 45.0 W 26/ 5/84 1825Z 225/ 252m

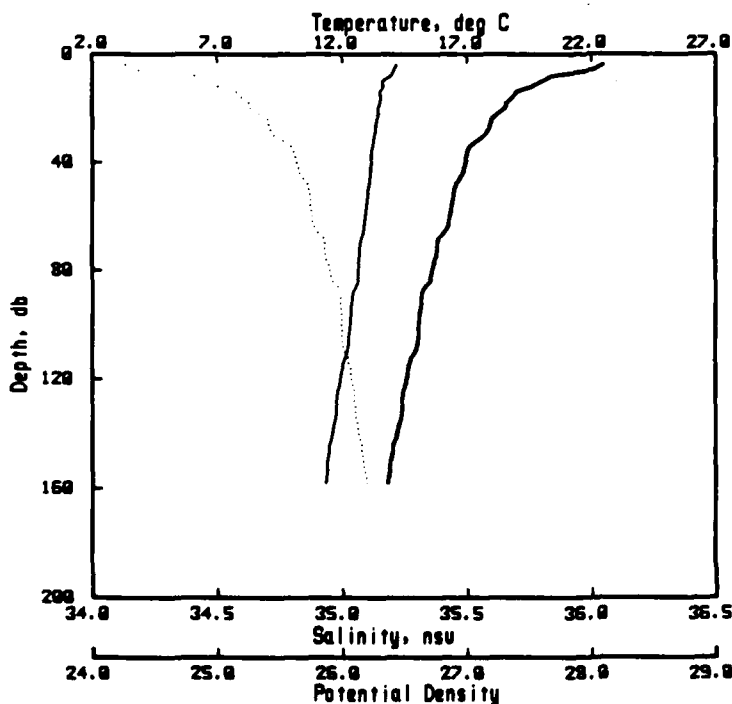
Day: 147.77 SST: 23.4 Tdry: none RH: none Wspd: 8.5 CTD #: 1
04 MAR 86 ANC SST:SHIP TD&TW:S Gulf Co-ords: 3.9km 297.3km
G-6



PR	THETA	SA	SGTH
10.0	20.790	35.173	24.702
20.0	18.306	35.153	25.332
30.0	18.066	35.128	25.372
40.0	17.124	35.104	25.583
50.0	16.467	35.071	25.712
60.0	16.071	35.054	25.791
70.0	15.879	35.040	25.824
80.0	15.745	35.033	25.849
90.0	15.531	35.027	25.893
100.0	15.239	35.017	25.950
120.0	14.806	34.995	26.029
140.0	13.870	34.949	26.193
160.0	13.664	34.928	26.220
180.0	13.176	34.901	26.299
200.0	12.900	34.882	26.340

STATION PC5149 : 29 15.4 N 112 35.8 W 26/ 5/84 1952Z 157/ 166m

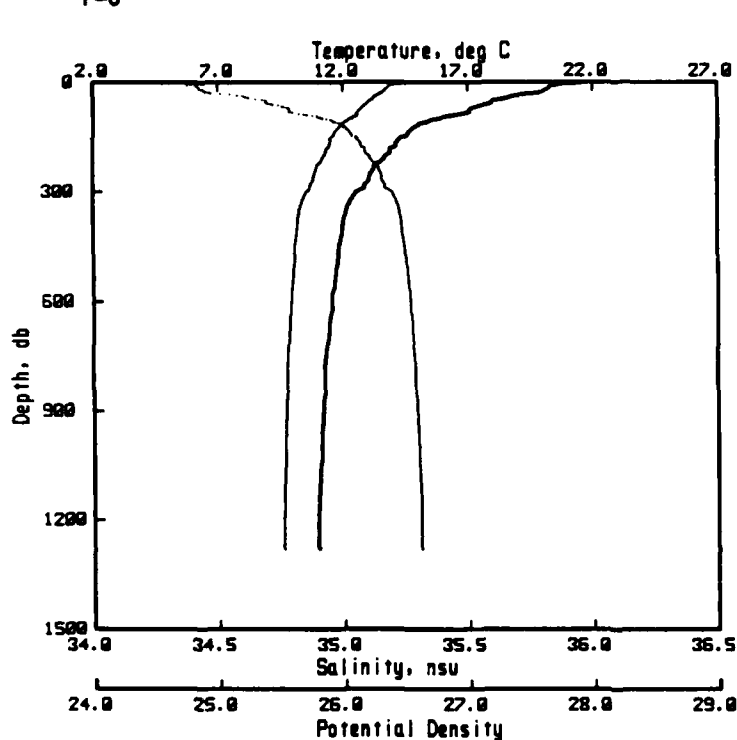
Day: 147.83 SST: 23.2 Tdry: none RH: none Wspd: 9.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 20.8km 294.8km
G-7



PR	THETA	SA	SGTH
10.0	20.027	35.162	24.897
20.0	18.544	35.145	25.266
30.0	17.722	35.130	25.458
40.0	16.937	35.114	25.635
50.0	16.486	35.104	25.733
60.0	16.327	35.093	25.762
70.0	15.827	35.074	25.862
80.0	15.615	35.065	25.903
90.0	15.166	35.040	25.984
100.0	15.077	35.031	25.997
120.0	14.581	34.993	26.076
140.0	14.195	34.961	26.134

STATION PC5150 : 28 48.0 N 113 9.2 W 27/ 5/84 518Z 1281/1290m

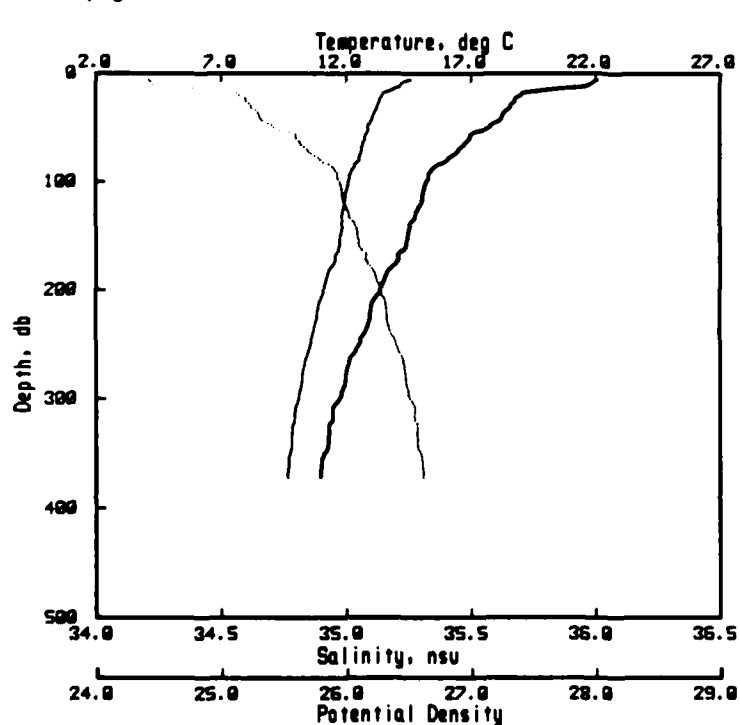
Day: 148.22 SST: 23.2 Tdry: none RH: none Wspd: 5.5 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -53.5km 286.1km
F-6



PR	THETA	SA	SGTH
10.0	20.378	35.188	24.824
20.0	20.126	35.169	24.876
30.0	19.809	35.151	24.946
40.0	18.680	35.123	25.215
50.0	17.962	35.105	25.380
60.0	17.747	35.090	25.421
70.0	17.179	35.075	25.547
80.0	17.037	35.060	25.570
90.0	16.427	35.058	25.712
100.0	15.808	35.028	25.831
120.0	14.912	34.985	25.998
140.0	14.581	34.963	26.053
160.0	14.179	34.951	26.130
180.0	13.903	34.937	26.177
200.0	13.715	34.924	26.206
300.0	12.521	34.854	26.394
400.0	11.969	34.816	26.471
500.0	11.735	34.802	26.505
600.0	11.536	34.790	26.532
700.0	11.384	34.782	26.555
800.0	11.251	34.775	26.574
900.0	11.161	34.770	26.586
1000.0	11.087	34.766	26.597
1100.0	11.005	34.761	26.608
1200.0	10.952	34.757	26.614

STATION PC5151 : 28 52.1 N 112 53.6 W 27/ 5/84 809Z 376/ 392m

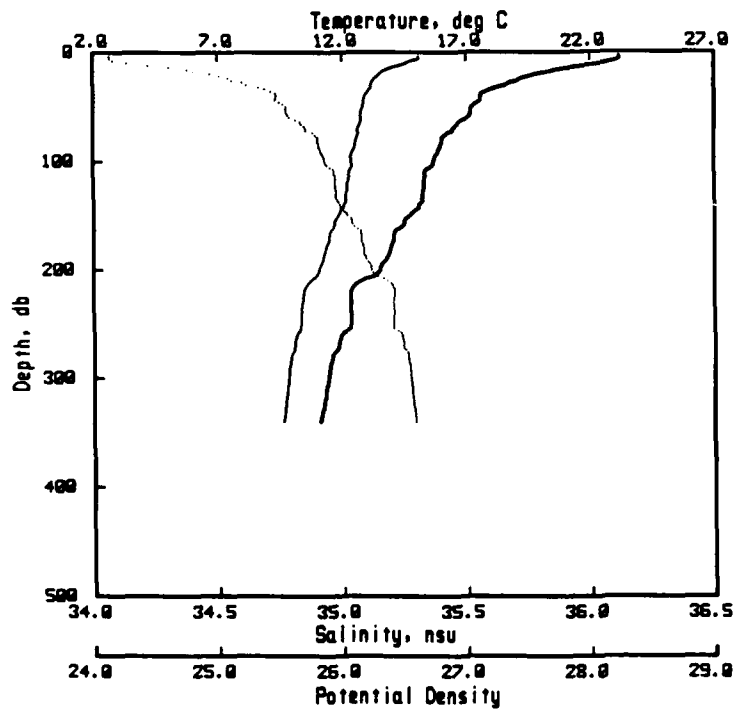
Day: 149.34 SST: 22.0 Tdry: none RH: none Wspd: 4.5 CTD #: 1
04 MAR 86 T:SHIP POS:SHL Gulf Co-ords: -28.4km 277.2km
F-3



PR	THETA	SA	SGTH
10.0	21.796	35.221	24.462
20.0	19.001	35.144	25.149
30.0	18.585	35.125	25.240
40.0	18.246	35.106	25.311
50.0	17.740	35.087	25.421
60.0	16.954	35.076	25.602
70.0	16.521	35.063	25.694
80.0	16.048	35.054	25.796
90.0	15.401	35.023	25.919
100.0	15.207	35.011	25.953
120.0	15.010	34.995	25.984
140.0	14.558	34.983	26.073
160.0	14.370	34.972	26.105
180.0	13.756	34.934	26.205
200.0	13.378	34.911	26.266
300.0	11.738	34.810	26.510

STATION PC5152 : 28 53.7 N 112 44.9 W 27/ 5/84 953Z 344/ 356m

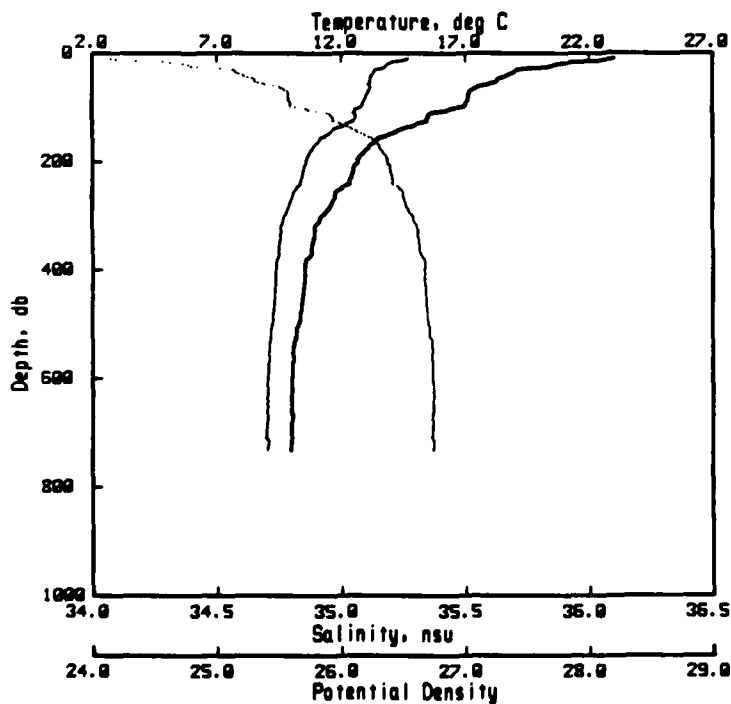
Day: 148.41 SST: 23.9 Tdry: none RH: none Wspd: 2.5 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -15.1km 271.2km
F-2



PR	THETA	SA	SGTH
10.0	22.561	35.257	24.274
20.0	19.826	35.154	24.944
30.0	18.586	35.118	25.235
40.0	17.553	35.091	25.469
50.0	17.194	35.083	25.550
60.0	17.042	35.076	25.581
70.0	16.477	35.064	25.705
80.0	16.016	35.056	25.805
90.0	15.877	35.045	25.828
100.0	15.690	35.038	25.865
120.0	15.291	35.021	25.942
140.0	15.077	35.004	25.976
160.0	14.397	34.966	26.095
180.0	13.932	34.935	26.169
200.0	13.509	34.907	26.236
300.0	11.420	34.783	26.549

STATION PC5153 : 28 53.0 N 112 38.2 W 27/ 5/84 1141Z 732/ 742m

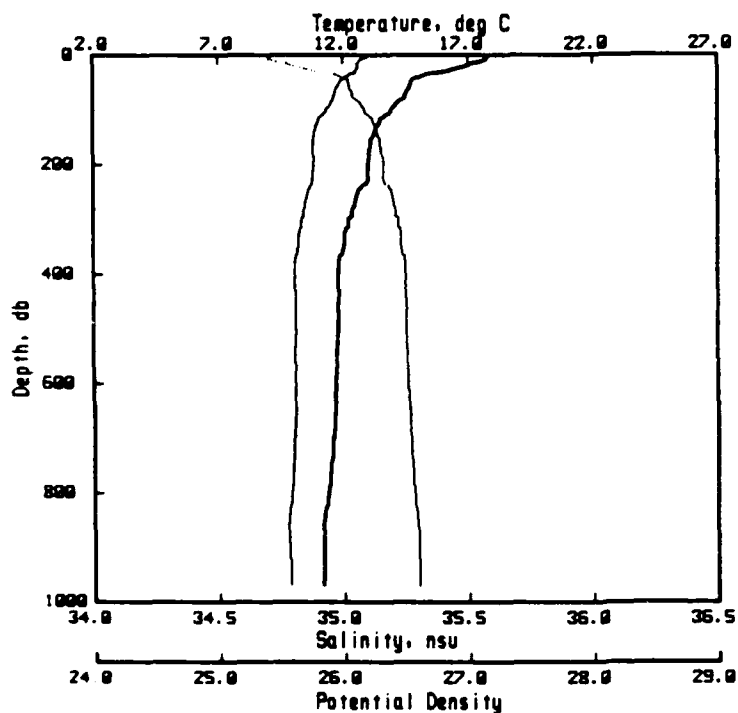
Day: 148.49 SST: 23.7 Tdry: none RH: none Wspd: 6.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -7.0km 263.7km
F-1



PR	THETA	SA	SGTH
10.0	23.021	35.269	24.151
20.0	20.737	35.190	24.729
30.0	19.090	35.142	25.125
40.0	18.695	35.123	25.211
50.0	18.304	35.116	25.304
60.0	17.675	35.114	25.457
70.0	17.186	35.109	25.572
80.0	17.149	35.100	25.574
90.0	17.040	35.091	25.593
100.0	16.830	35.081	25.635
120.0	15.448	35.055	25.933
140.0	14.442	34.971	26.089
160.0	13.422	34.909	26.255
180.0	12.929	34.876	26.329
200.0	12.656	34.858	26.370
300.0	11.216	34.773	26.578
400.0	10.530	34.736	26.673
500.0	10.284	34.723	26.706
600.0	10.015	34.706	26.739
700.0	10.001	34.698	26.736

STATION PC5155 : 28 33.0 N 112 46.1 W 27/ 5/84 2320Z 970/ 979m

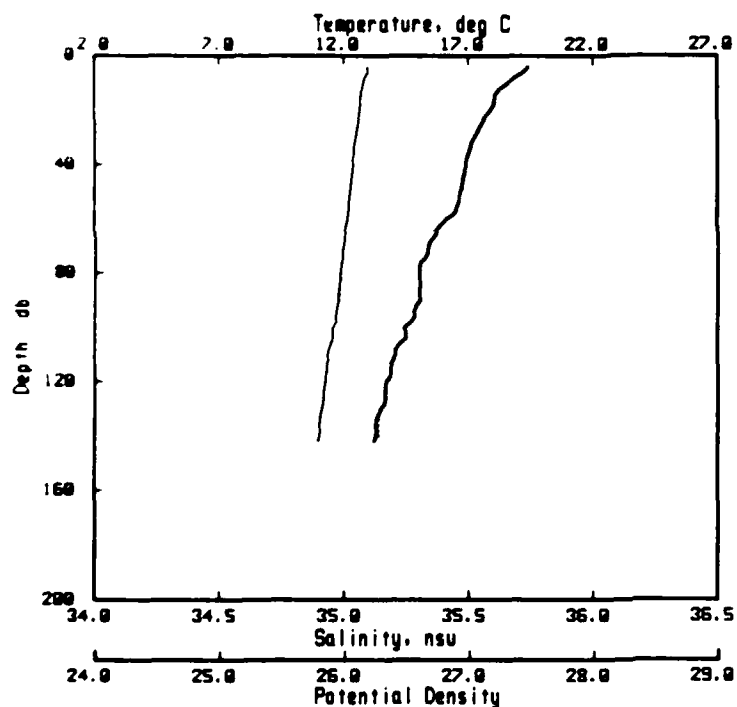
Day: 148.97 SST: 19.4 Tdry: none RH: none Wspd: 8.0 CTD #: 1
 04 MAR 86 ANC T:SAIL POS:SHL Gulf Co-ords: -39.4km 241.5km
 E-2



PR	THETA	SA	SGTH
10.0	17.621	35.067	25.434
20.0	16.892	35.058	25.603
30.0	16.095	35.045	25.778
40.0	15.085	35.013	25.981
50.0	14.711	34.986	26.043
60.0	14.638	34.974	26.049
70.0	14.501	34.966	26.073
80.0	14.390	34.961	26.092
90.0	14.105	34.948	26.143
100.0	13.923	34.933	26.170
120.0	13.485	34.900	26.235
140.0	13.251	34.886	26.272
160.0	13.109	34.880	26.296
180.0	13.039	34.880	26.311
200.0	12.986	34.880	26.321
300.0	12.184	34.833	26.443
400.0	11.787	34.807	26.499
500.0	11.775	34.810	26.503
600.0	11.697	34.809	26.517
700.0	11.552	34.800	26.537
800.0	11.365	34.790	26.564
900.0	11.157	34.779	26.594

STATION PC5156 : 28 30.7 N 112 42.4 W 28/ 5/84 143Z 142/ 152m

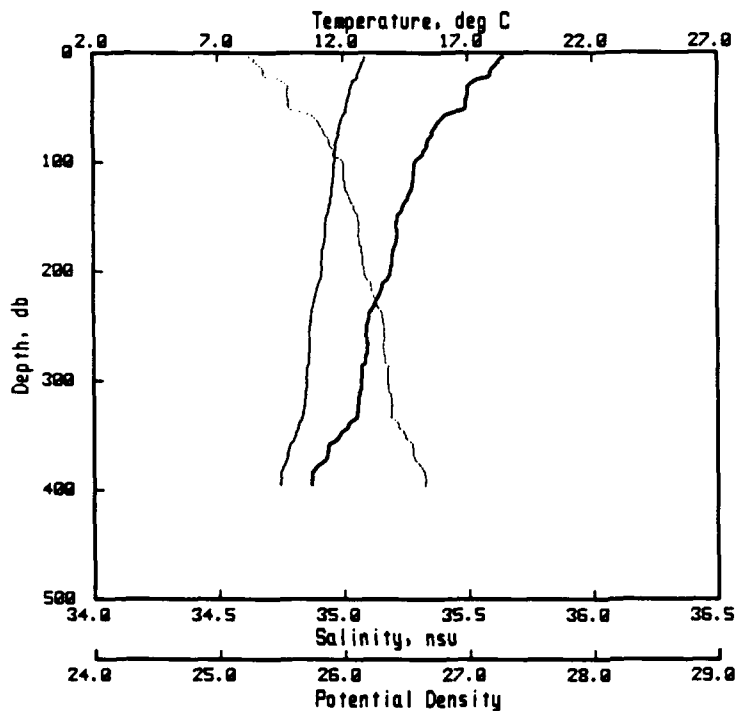
Day 149.07 SST: 19.6 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 04 MAR 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -37.0km 234.5km
 E-3



PR	THETA	SA	SGTH
10.0	18.575	35.078	25.207
20.0	17.881	35.064	25.369
30.0	17.215	35.047	25.517
40.0	16.881	35.037	25.589
50.0	16.666	35.025	25.631
60.0	16.112	35.014	25.751
70.0	15.361	34.995	25.906
80.0	15.015	34.984	25.974
90.0	15.045	34.975	25.961
100.0	14.414	34.954	26.082
120.0	13.666	34.923	26.216
140.0	13.253	34.899	26.282

STATION PC5157 : 28 31.9 N 112 35.7 W 28/ 5/84 313Z 395/ 443m

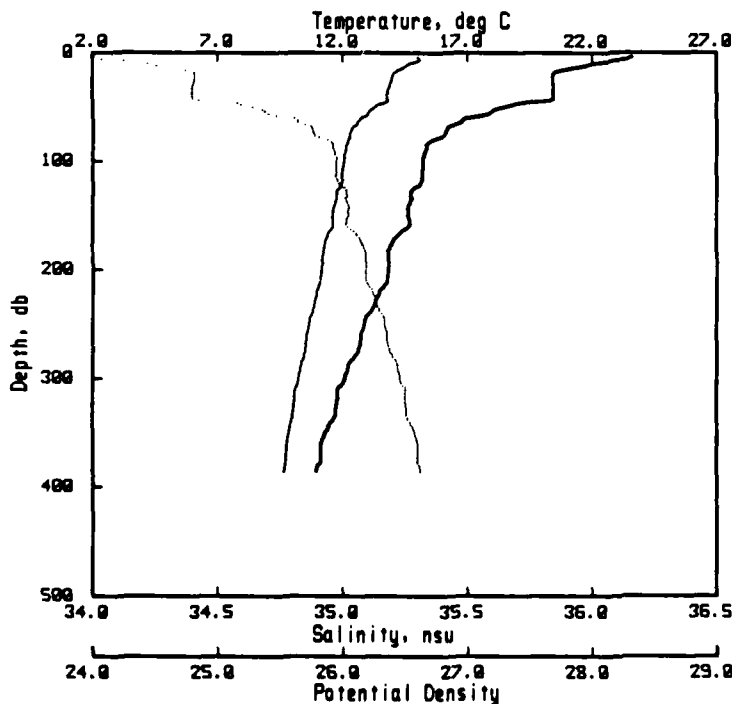
Day: 149.13 SST: 19.3 Tdry: none RH: none Wspd: 99.0 CTD #: 1
 04 MAR 86 ANC T:SAIL POS:SHL Gulf Co-ords: -26.8km 229.9km
 E-4



PR	THETA	SA	SGTH
10.0	18.136	35.075	25.314
20.0	17.878	35.058	25.365
30.0	16.993	35.033	25.559
40.0	16.969	35.022	25.557
50.0	16.890	35.013	25.569
60.0	15.939	34.995	25.776
70.0	15.627	34.986	25.840
80.0	15.380	34.974	25.886
90.0	15.179	34.965	25.924
100.0	14.852	34.964	25.995
120.0	14.756	34.956	26.010
140.0	14.378	34.944	26.082
160.0	14.125	34.927	26.123
180.0	13.981	34.915	26.144
200.0	13.868	34.913	26.166
300.0	12.719	34.853	26.354

STATION PC5158 : 28 41.9 N 112 27.7 W 28/ 5/84 514Z 386/ 396m

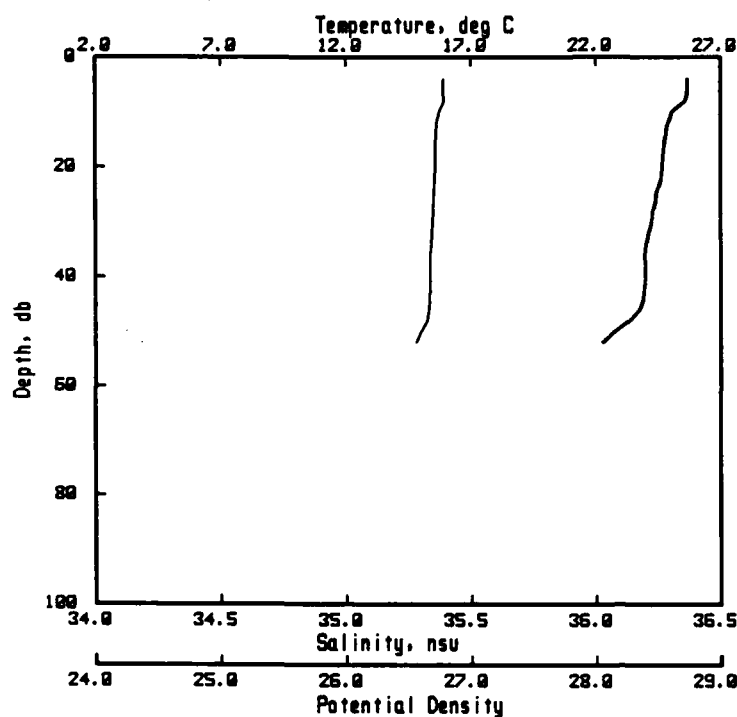
Day: 149.22 SST: 24.6 Tdry: none RH: none Wspd: 16.0 CTD #: 1
 04 MAR 86 ANC T:SAIL POS:SHL Gulf Co-ords: -5.3km 237.1km
 E-5



PR	THETA	SA	SGTH
10.0	21.990	35.268	24.444
20.0	20.426	35.202	24.821
30.0	20.454	35.189	24.804
40.0	20.431	35.177	24.801
50.0	18.451	35.131	25.279
60.0	16.911	35.075	25.611
70.0	16.163	35.035	25.755
80.0	15.569	35.021	25.880
90.0	15.315	35.012	25.930
100.0	15.203	35.004	25.948
120.0	15.098	34.994	25.964
140.0	14.625	34.966	26.046
160.0	14.618	34.960	26.043
180.0	13.892	34.926	26.171
200.0	13.802	34.913	26.180
300.0	12.070	34.822	26.456

STATION PC5159 : 28 42.4 N 112 10.7 W 28/ 5/84 750Z 51/ 55m

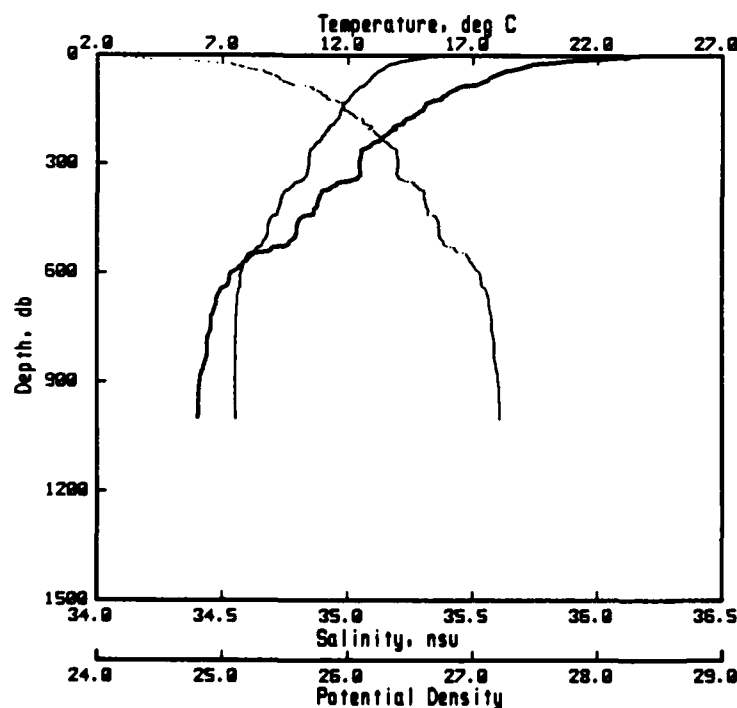
Day: 150.33 SST: 25.8 Tdry: none RH: none Wspd: 3.0 CTD #: 1
04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: 17.8km 221.5km
E-6



PR	THETA	SA	SGTH
10.0	25.032	35.374	23.635
20.0	24.668	35.357	23.732
30.0	24.227	35.346	23.856
40.0	23.985	35.335	23.920
50.0	22.754	35.298	24.250

STATION PC5160 : 28 22.9 N 112 27.3 W 28/ 5/84 1032Z 1004/1010m

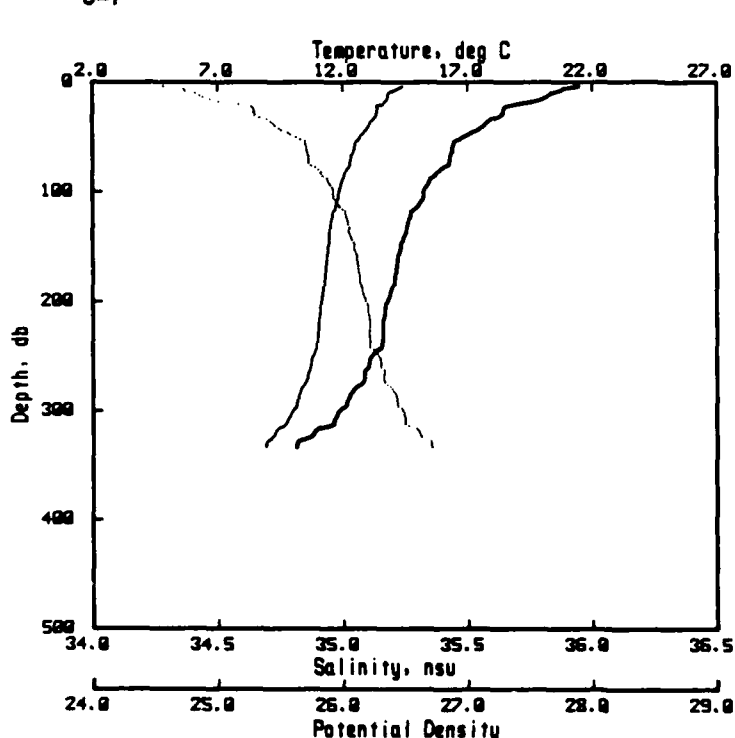
Day: 149.44 SST: 25.3 Tdry: none RH: none Wspd: 9.0 CTD #: 1
04 MAR 86 ANC SST:SHIP TD&TW:S Gulf Co-ords: -27.9km 232.9km
D-4



PR	THETA	SA	SGTH
10.0	22.252	35.263	24.366
20.0	20.163	35.197	24.888
30.0	19.093	35.154	25.134
40.0	18.558	35.129	25.250
50.0	18.034	35.108	25.365
60.0	17.677	35.092	25.440
70.0	17.492	35.083	25.478
80.0	17.147	35.067	25.549
90.0	16.337	35.040	25.719
100.0	16.054	35.026	25.773
120.0	15.691	35.003	25.838
140.0	15.056	34.980	25.962
160.0	14.743	34.967	26.021
180.0	14.219	34.949	26.120
200.0	13.872	34.921	26.171
300.0	12.457	34.842	26.397
400.0	10.830	34.734	26.618
500.0	9.888	34.677	26.739
600.0	7.349	34.574	27.055
700.0	6.676	34.557	27.135
800.0	6.380	34.552	27.171
900.0	6.107	34.551	27.206
1000.0	6.022	34.552	27.217

STATION PC5161 : 27 54.2 N 112 37.6 W 28/ 5/84 1458Z 333/ 350m

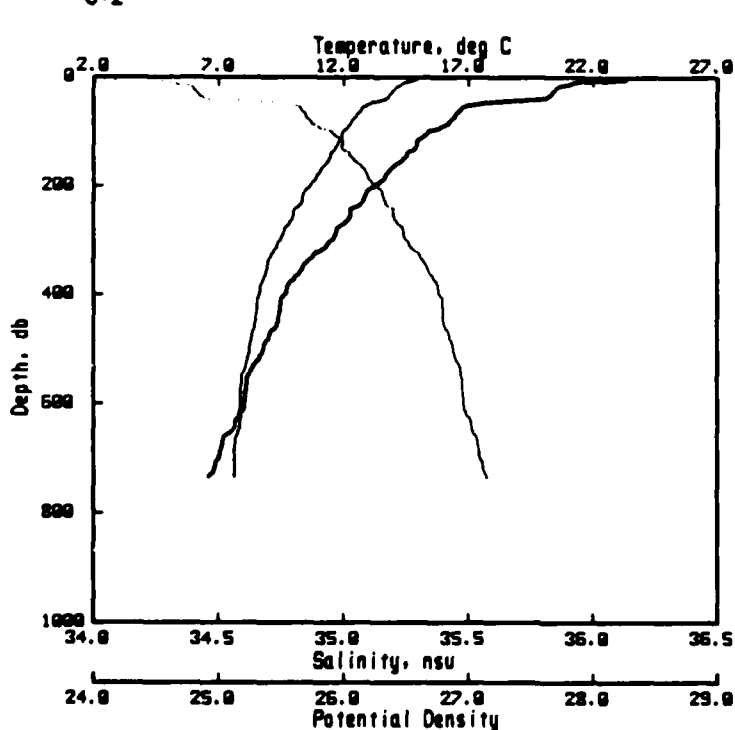
Day: 149.62 SST: 22.2 Tdry: none RH: none Wspd: 6.5 CTD #: 1
 04 MAR 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -70.8km 175.5km
 C-1



PR	THETA	SA	SGTH
10.0	20.364	35.182	24.823
20.0	18.989	35.162	25.166
30.0	18.364	35.132	25.301
40.0	17.627	35.105	25.462
50.0	16.824	35.068	25.626
60.0	16.397	35.046	25.709
70.0	16.280	35.031	25.725
80.0	15.869	35.015	25.807
90.0	15.475	34.997	25.882
100.0	15.246	34.986	25.925
120.0	14.715	34.959	26.021
140.0	14.474	34.946	26.063
160.0	14.204	34.936	26.113
180.0	14.069	34.927	26.134
200.0	13.800	34.915	26.182
300.0	11.843	34.798	26.481

STATION PC5162 : 27 56.4 N 112 28.3 W 28/ 5/84 1650Z 734/ 751m

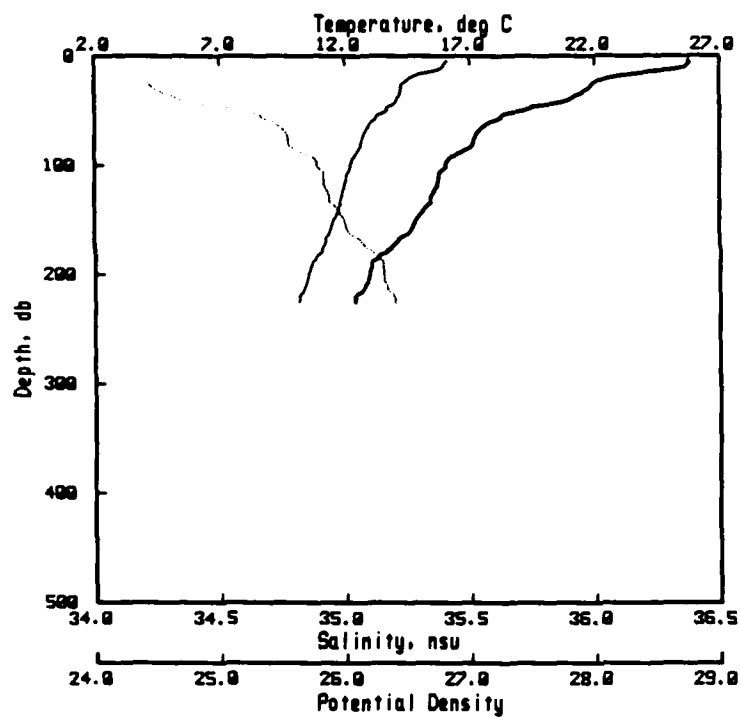
Day: 149.70 SST: 24.5 Tdry: none RH: none Wspd: 6.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -56.0km 169.8km
 C-2



PR	THETA	SA	SGTH
10.0	21.289	35.239	24.616
20.0	20.517	35.207	24.801
30.0	20.325	35.190	24.839
40.0	19.942	35.170	24.926
50.0	17.223	35.101	25.557
60.0	16.684	35.070	25.661
70.0	16.475	35.051	25.695
80.0	16.233	35.032	25.737
90.0	15.927	35.018	25.796
100.0	15.387	34.996	25.901
120.0	14.922	34.976	25.989
140.0	14.556	34.950	26.048
160.0	14.082	34.926	26.131
180.0	13.669	34.894	26.193
200.0	13.271	34.867	26.254
300.0	11.503	34.746	26.505
400.0	9.638	34.662	26.769
500.0	8.785	34.624	26.878
600.0	8.047	34.587	26.963
700.0	6.991	34.564	27.098

STATION PC5163 : 28 4.1 N 112 17.8 W 28/ 5/84 1922Z 225/ 655m

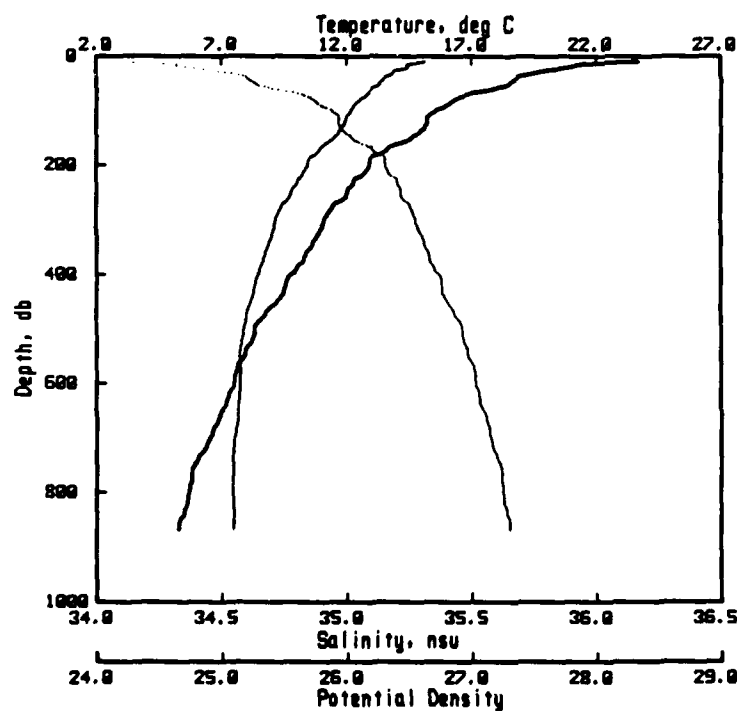
Day: 149.81 SST: 26.6 Tdry: none RH: none Wspd: 14.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:CONS Gulf Co-ords: -33.6km 171.1km
 C3-A Aborted station @ 200m to move to deeper water.



PR	THETA	SA	SGTH
10.0	25.622	35.392	23.467
20.0	22.594	35.262	24.269
30.0	21.711	35.227	24.490
40.0	20.943	35.206	24.685
50.0	19.070	35.168	25.149
60.0	17.773	35.106	25.427
70.0	17.272	35.079	25.528
80.0	17.135	35.064	25.549
90.0	16.438	35.043	25.698
100.0	16.017	35.021	25.778
120.0	15.651	34.997	25.843
140.0	15.150	34.974	25.937
160.0	14.624	34.941	26.027
180.0	13.562	34.901	26.220
200.0	12.959	34.852	26.305

STATION PC5164 : 28 .6 N 112 20.8 W 28/ 5/84 2008Z 868/1064m

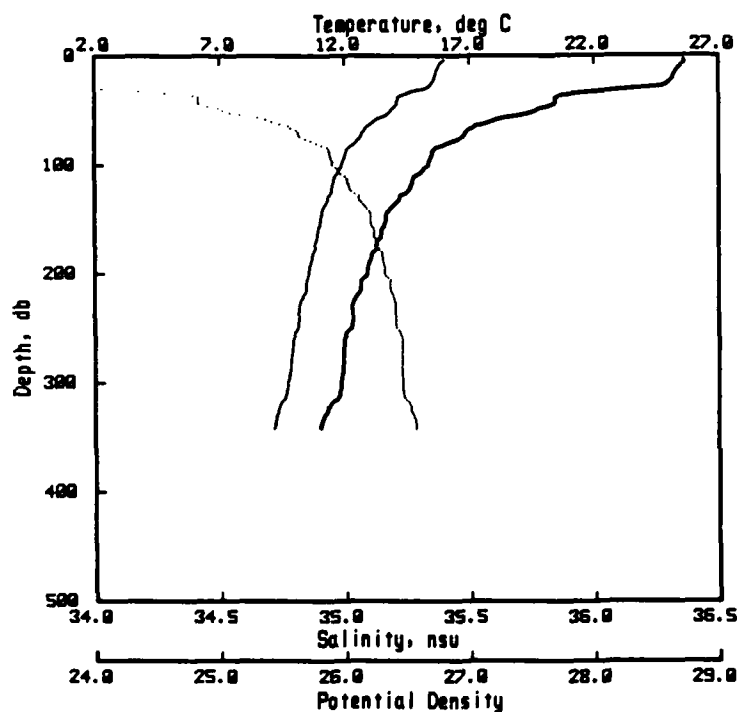
Day: 149.84 SST: 27.2 Tdry: none RH: none Wspd: 8.0 CTD #: 1
 VARIABLE OFFSET Gulf Co-ords: -41.4km 168.8km
 C-3



PR	THETA	SA	SGTH
10.0	23.691	35.315	23.991
20.0	20.951	35.248	24.715
30.0	19.567	35.187	25.037
40.0	18.804	35.150	25.204
50.0	18.487	35.130	25.269
60.0	17.851	35.096	25.401
70.0	16.787	35.076	25.641
80.0	16.286	35.049	25.738
90.0	15.960	35.028	25.796
100.0	15.537	35.015	25.882
120.0	15.218	34.994	25.937
140.0	14.894	34.968	25.987
160.0	14.087	34.919	26.125
180.0	13.388	34.877	26.237
200.0	12.909	34.843	26.308
300.0	11.121	34.717	26.552
400.0	9.716	34.645	26.743
500.0	8.324	34.588	26.922
600.0	7.503	34.574	27.033
700.0	6.520	34.550	27.151
800.0	5.702	34.545	27.252

STATION PC5165 : 28 12.0 N 112 4.6 W 28/ 5/84 2311Z 342/ 355m

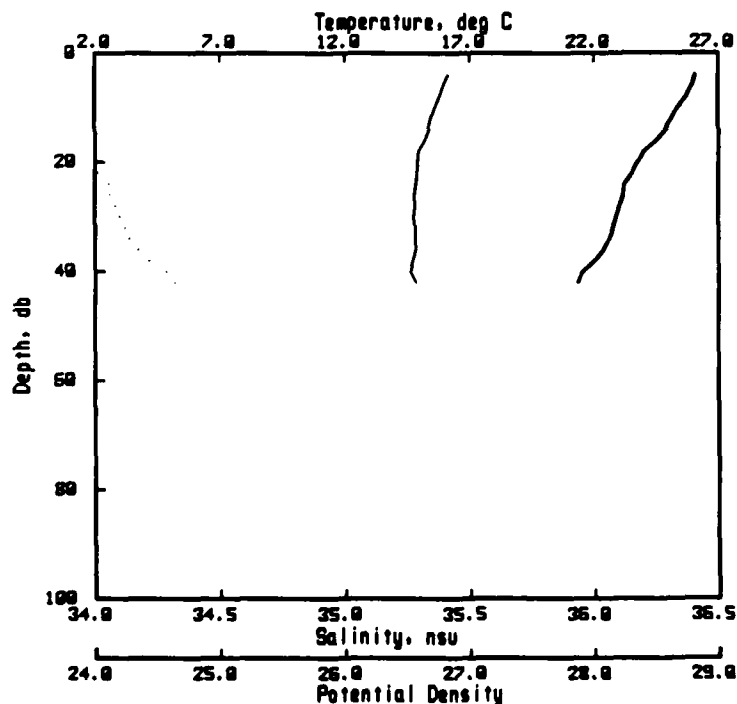
Day: 149.97 SST: 26.6 Tdry: none RH: none Wspd: 8.0 CTD #: 1
04 MAR 86 T:SHIP POS:SHL Gulf Co-ords: -7.4km 170.2km
C-4



PR	THETA	SA	SGTH
10.0	25.405	35.376	23.522
20.0	25.158	35.360	23.586
30.0	23.455	35.322	24.066
40.0	20.421	35.210	24.829
50.0	19.611	35.185	25.024
60.0	17.842	35.115	25.417
70.0	16.822	35.069	25.628
80.0	16.107	35.041	25.773
90.0	15.498	35.002	25.881
100.0	15.355	34.988	25.902
120.0	14.621	34.949	26.033
140.0	13.817	34.913	26.177
160.0	13.469	34.894	26.234
180.0	13.099	34.874	26.294
200.0	12.891	34.855	26.321
300.0	11.844	34.771	26.460

STATION PC5166 : 28 17.4 N 111 56.6 W 29/ 5/84 102Z 42/ 47m

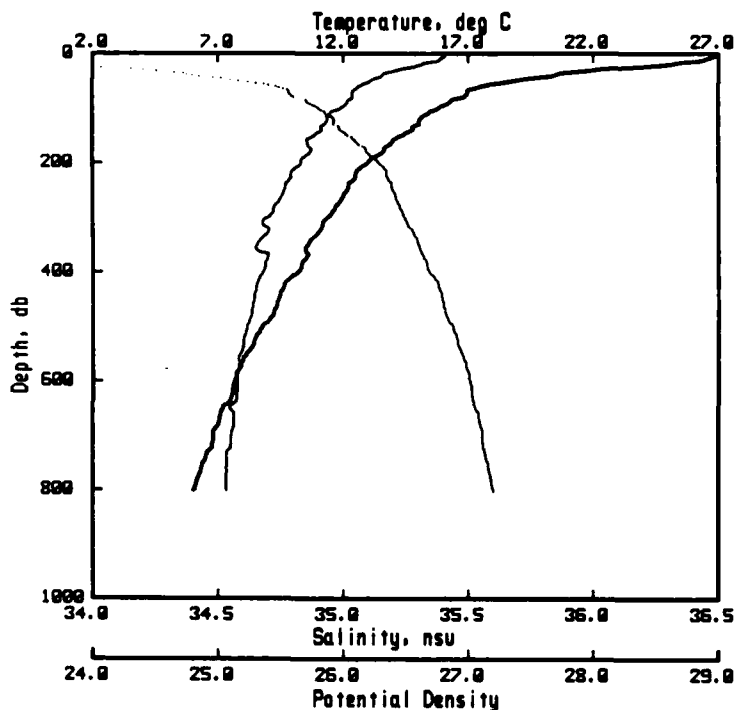
Day: 150.04 SST: 26.4 Tdry: none RH: none Wspd: 9.0 CTD #: 1
04 MAR 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: 9.1km 170.6km
C-5



PR	THETA	SA	SGTH
10.0	25.394	35.363	23.516
20.0	23.736	35.291	23.960
30.0	22.878	35.278	24.199
40.0	21.515	35.263	24.572

STATION PC5167 : 27 41.6 N 111 19.8 W 29/ 5/84 614Z 802/ 816m

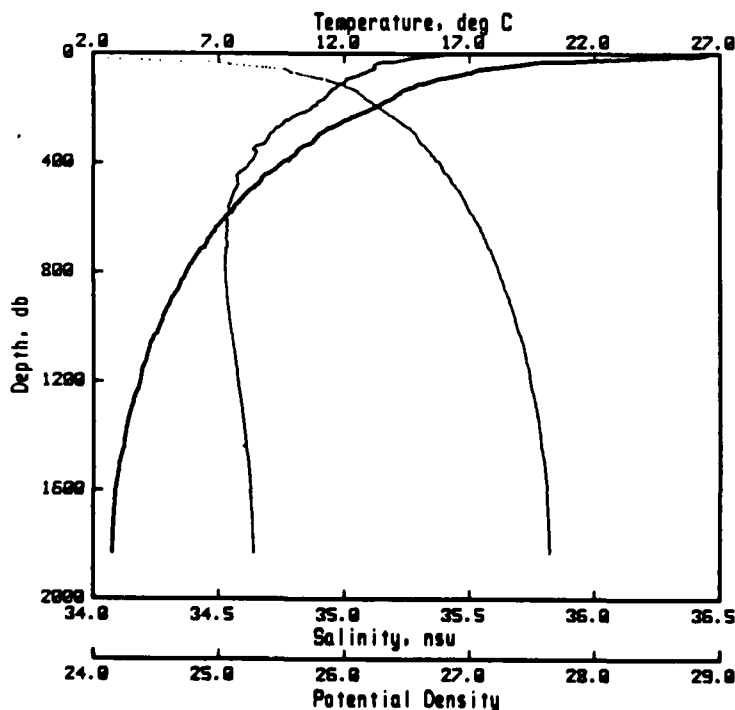
Day: 150.26 SST: 26.9 Tdry: none RH: none Wspd: 18.0 CTD #: 1
 04 MAR 86 ANC SST:SHIP TD&TW:S Gulf Co-ords: 18.9km 81.5km
 B-3



PR	THETA	SA	SGTH
10.0	26.484	35.386	23.194
20.0	25.018	35.314	23.594
30.0	21.995	35.216	24.403
40.0	20.400	35.155	24.793
50.0	18.818	35.108	25.169
60.0	17.483	35.062	25.484
70.0	16.981	35.039	25.567
80.0	16.812	35.039	25.607
90.0	16.256	35.017	25.720
100.0	15.789	34.990	25.806
120.0	15.055	34.938	25.930
140.0	14.771	34.917	25.976
160.0	13.988	34.858	26.098
180.0	13.601	34.869	26.187
200.0	12.992	34.832	26.283
300.0	11.362	34.698	26.493
400.0	10.188	34.680	26.689
500.0	8.758	34.616	26.876
600.0	7.648	34.576	27.013
700.0	6.808	34.552	27.113
800.0	6.036	34.534	27.201

STATION PC5168 : 27 30.5 N 111 36.3 W 29/ 5/84 925Z 1832/1841m

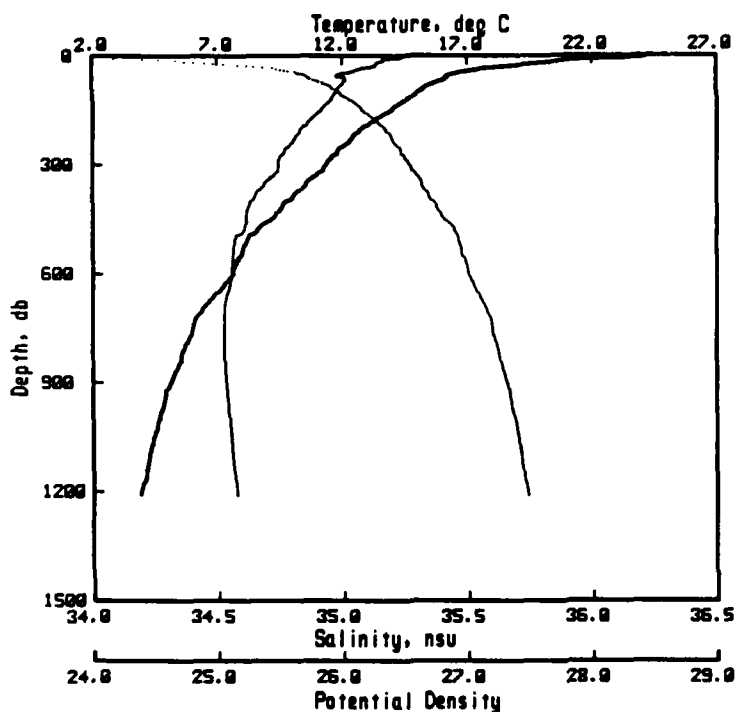
Day: 151.39 SST: 26.7 Tdry: none RH: none Wspd: 3.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -15.1km 80.8km
 B-5



PR	THETA	SA	SGTH
2.0	26.532	35.410	23.197
10.0	25.764	35.352	23.393
20.0	23.058	35.248	24.125
30.0	20.825	35.189	24.704
40.0	19.160	35.124	25.094
50.0	18.162	35.126	25.347
60.0	17.315	35.103	25.536
70.0	17.037	35.081	25.586
80.0	16.527	35.054	25.685
90.0	15.971	35.020	25.788
100.0	15.551	35.006	25.872
120.0	14.807	34.971	26.010
140.0	14.238	34.941	26.110
160.0	13.951	34.922	26.155
180.0	13.521	34.891	26.221
200.0	13.140	34.867	26.280
300.0	10.928	34.700	26.574
400.0	9.501	34.623	26.761
500.0	8.245	34.565	26.916
600.0	7.253	34.535	27.038
700.0	6.472	34.534	27.144
800.0	5.708	34.526	27.236
900.0	5.097	34.534	27.316
1000.0	4.624	34.546	27.380
1100.0	4.150	34.564	27.446
1200.0	3.864	34.577	27.486
1300.0	3.504	34.592	27.534
1400.0	3.264	34.605	27.567
1500.0	3.024	34.618	27.600

STATION PC5169 : 27 18.6 N 111 51.7 W 29/ 5/84 1308Z 1210/1470m

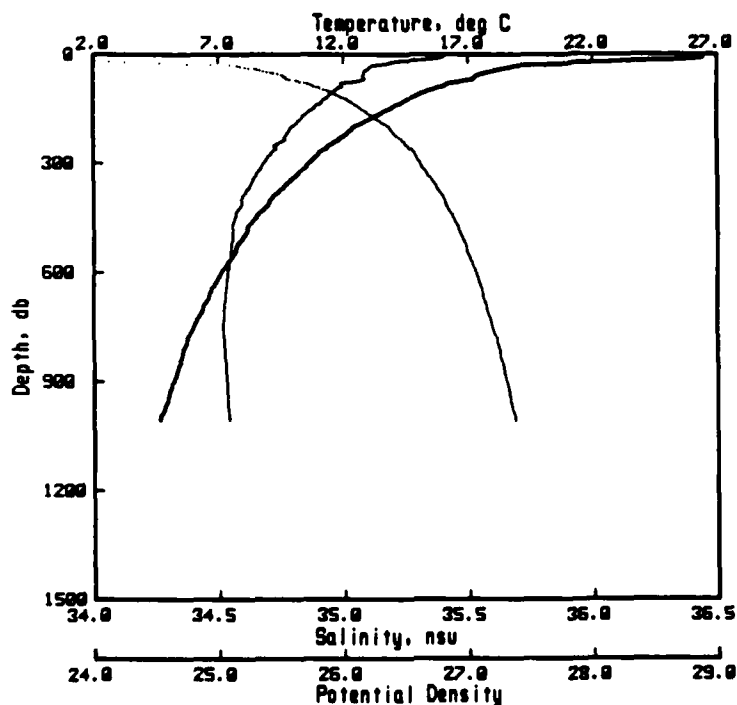
Day: 150.55 SST: 25.6 Tdry: none RH: none Wspd: 7.5 CTD #: 1
 04 MAR 86 ANC SST:SHIP TW:TD:S Gulf Co-ords: -48.7km 77.9km
 B-7



PR	THETA	SA	SGTH
10.0	21.843	35.163	24.405
20.0	19.955	35.142	24.901
30.0	18.338	35.117	25.296
40.0	17.141	35.050	25.537
50.0	16.361	34.988	25.673
60.0	16.191	35.010	25.729
70.0	15.852	35.006	25.804
80.0	15.478	34.997	25.882
90.0	15.247	34.982	25.922
100.0	14.991	34.974	25.972
120.0	14.573	34.953	26.047
140.0	14.050	34.922	26.135
160.0	13.616	34.892	26.202
180.0	13.228	34.865	26.261
200.0	12.742	34.834	26.334
300.0	11.320	34.745	26.538
400.0	9.709	34.632	26.734
500.0	8.215	34.571	26.925
600.0	7.605	34.557	27.005
700.0	6.368	34.527	27.153
800.0	5.702	34.527	27.238
900.0	5.115	34.534	27.314
1000.0	4.642	34.547	27.379
1100.0	4.251	34.559	27.431
1200.0	3.905	34.574	27.479

STATION PC5170 : 26 52.2 N 111 20.2 W 29/ 5/84 1823Z 1008/1819m

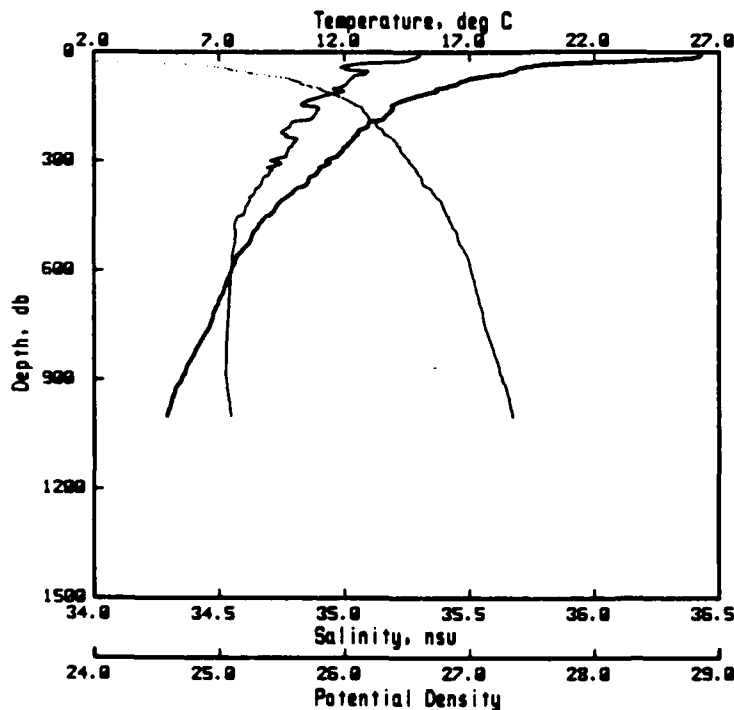
Day: 150.77 SST: 26.9 Tdry: none RH: none Wspd: 8.5 CTD #: 1
 04 MAR 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -35.5km 7.9km
 A-5



PR	THETA	SA	SGTH
10.0	26.402	35.385	23.219
20.0	22.943	35.212	24.131
30.0	19.162	35.124	25.093
40.0	18.321	35.102	25.289
50.0	17.729	35.083	25.421
60.0	17.294	35.076	25.520
70.0	17.004	35.080	25.574
80.0	16.214	34.993	25.711
90.0	15.854	34.987	25.789
100.0	15.368	34.964	25.881
120.0	14.720	34.933	26.000
140.0	14.095	34.890	26.100
160.0	13.545	34.855	26.188
180.0	13.031	34.826	26.270
200.0	12.400	34.792	26.369
300.0	10.608	34.679	26.615
400.0	9.055	34.590	26.808
500.0	8.015	34.555	26.943
600.0	7.076	34.537	27.065
700.0	6.374	34.522	27.148
800.0	5.669	34.523	27.239
900.0	5.196	34.531	27.302
1000.0	4.658	34.541	27.372

STATION PC5171 : 26 15.3 N 110 43.7 W 30/ 5/84 35Z 1028/1050m

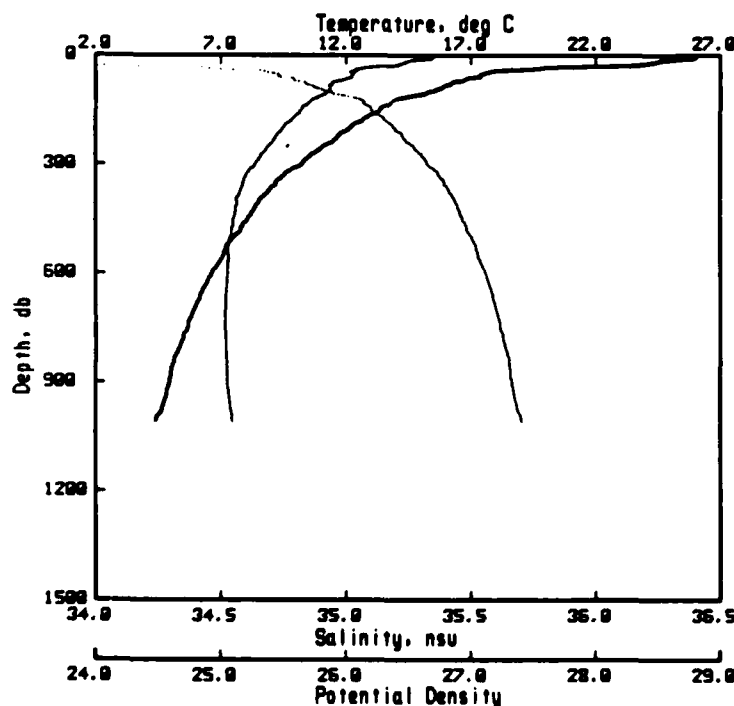
Day: 151.02 SST: 27.7 Tdry: none RH: none Wspd: 6.5 CTD #: 1
 04 MAR 86 ANC SST:SHIP TW&TD:S Gulf Co-ords: -26.8km -82.8km
 CAR



PR	THETA	SA	SGTH
10.0	26.235	35.302	23.209
20.0	25.153	35.260	23.512
30.0	21.375	35.110	24.494
40.0	19.255	34.989	24.966
50.0	18.829	35.032	25.108
60.0	18.365	35.084	25.264
70.0	17.275	35.035	25.494
80.0	16.700	35.016	25.616
90.0	16.399	35.006	25.678
100.0	15.680	34.953	25.802
120.0	14.901	34.916	25.947
140.0	14.064	34.834	26.064
160.0	13.855	34.891	26.152
180.0	13.584	34.873	26.194
200.0	12.955	34.785	26.254
300.0	11.276	34.709	26.518
400.0	9.654	34.619	26.733
500.0	8.335	34.566	26.903
600.0	7.485	34.547	27.014
700.0	6.888	34.539	27.092
800.0	6.233	34.530	27.173
900.0	5.487	34.529	27.266
1000.0	4.929	34.546	27.345

STATION PC5172 : 25 29.5 N 109 50.9 W 30/ 5/84 850Z 1005/3000m

Day: 152.37 SST: 26.5 Tdry: none RH: none Wspd: 10.0 CTD #: 1
 04 MAR 86 ANC T:SHIP POS:SHL Gulf Co-ords: -5.7km -203.1km
 FAR



PR	THETA	SA	SGTH
10.0	25.791	35.332	23.370
20.0	24.276	35.234	23.757
30.0	21.981	35.142	24.351
40.0	18.885	35.035	25.096
50.0	17.543	35.033	25.428
60.0	17.287	35.025	25.483
70.0	16.656	34.973	25.593
80.0	16.157	34.947	25.689
90.0	15.792	34.936	25.764
100.0	15.257	34.925	25.876
120.0	13.998	34.869	26.105
140.0	13.510	34.830	26.176
160.0	13.125	34.811	26.240
180.0	12.641	34.780	26.313
200.0	12.147	34.749	26.385
300.0	10.229	34.639	26.650
400.0	8.532	34.562	26.869
500.0	7.523	34.540	27.003
600.0	6.635	34.526	27.116
700.0	5.923	34.519	27.204
800.0	5.376	34.520	27.272
900.0	4.955	34.527	27.327
1000.0	4.420	34.545	27.401

END

6-87

DTIC